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ABSTRACT

This newsletter is prepared semiannually by the staff of Access ERIC in order to communicate matters of interest to users of the ERIC database and of other ERIC products and services. The newsletter disseminates a broad spectrum of information pertaining to ERIC, including price changes, microfiche products, ERIC clearinghouse news, search strategies, education-related databases, referral information, national-level educational studies, computer news related or extendable to ERIC, new ERIC data elements, lexicographic news, user survey data, and new publications and products. (MES)

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ED 445 692

ERIC USERS' INTERCHANGE

SEPTEMBER 1993 - SPRING/SUMMER 2000

(12 NEWSLETTER ISSUES)

Prepared by:

ACCESS ERIC

IR057906

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

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ERIC® USERS'
INTERCHANGE

September 1993

SPECIAL INTEREST NEWS FOR *INTERCHANGE* READERS

ERIC Clearinghouse Contracts Awarded for Another 5 Years

In June, the U.S. Department of Education, Office of Educational Research and Improvement awarded new 5-year contracts for the 16 subject-related ERIC Clearinghouses. Funding will total almost $6 million for the first year of the contracts.

Under the new contracts, the Clearinghouses will add books to the database, provide toll-free reference and referral access, increase their use of technology to serve users better, expand networking/collaborative projects with other ERIC components, and continue to select the most useful ERIC materials for dissemination. "Expanding the reach of ERIC will enable more teachers to locate materials that help improve both classroom teaching and learning," said U.S. Secretary of Education Richard Riley. "To reach the national education goals, we must make resources available to classroom teachers."

As ERIC moves closer to the year 2000, we anticipate:

- ✓ further growth in the number of access points to ERIC, particularly on public networks;
- ✓ continued progress toward full-text document delivery;
- ✓ ongoing emphasis on quality in the selection of journal articles, documents, books, and non-print materials for the database;
- ✓ additional support and technical assistance for practitioners, community members, and parents who wish to use ERIC resources; and
- ✓ frequent solicitation of feedback to ensure ERIC continues to meet diverse information needs.

In 1992, ERIC Clearinghouses added more than 30,000 new items to the database, responded to more than 120,000 requests for education information, and produced more than 200 publications.

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The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RR92024001 for the Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 1600 Research Boulevard, 3C, Rockville, MD 20850–3172, 1–800–LET–ERIC (538–3742).

ERIC Clearinghouses Get Toll-Free Numbers!

In order to make ERIC information more easily accessible to users, all ERIC Clearinghouses and support components will operate toll-free lines by December 1994. Users within the United States can call the Clearinghouse 800 numbers to speak directly with friendly, knowledgeable staff familiar with ERIC and, more specifically, familiar with the coverage of their subject area(s) in the ERIC database. Each Clearinghouse keeps a separate mailing list for disseminating its publications such as newsletters, product lists, and Digests. For search strategy assistance or to be placed on a Clearinghouse mailing list, contact the related Clearinghouse listed below.

ERIC COMPONENT	PHONE	CONTACT	INTERNET
Federal Sponsor:			
OERI/ERIC	202/219–2289	Velma Allen	eric@inet.ed.gov
Support Components:			
ACCESS ERIC	800/LET–ERIC	Belinda Taheri	acceric@inet.ed.gov
ERIC Processing and Reference Facility	800/799–ERIC	Gail Mathews	ericfac@inet.ed.gov
ERIC Document Reproduction Service (EDRS)	800/443–ERIC	Don Frank	edrs@gwuvm.gwu.edu
Clearinghouses:			
Adult, Career, and Vocational Education (CE)	800/848–4815	Judy Wagner	ericacve@magnus.acs.ohio-state.edu
Assessment and Evaluation (TM) *	800/ –	Claire Gunning	eric_ae@cua.edu
Community Colleges (JC)	800/832–8256	David Deckelbaum	eeh3rie@mvs.oac.ucla.edu
Counseling and Student Services (CG)	800/414–9769	Chester Robinson	bleuerj@iris.uncg.edu
Disabilities and Gifted Education (EC)	800/328–0272	Barbara Sorenson	ericec@inet.ed.gov
Educational Management (EA)	800/438–8841	Mary Lou Finne	ppiele@oregon.uoregon.edu
Elementary and Early Childhood Education (PS)	800/583–4135	Norma Howard	ericeece@ux1.cso.uiuc.edu
Higher Education (HE) *	800/ –	Judi Conrad	eriche@inet.ed.gov
Information & Technology (IR)	800/464–9107	June Smith	eric@ericir.syr.edu
Languages and Linguistics (FL) *	800/ –	Craig Packard	cal@guvax.georgetown.edu
Reading, English, and Communication (CS)	800/759–4723	Melinda Hamilton	mmclain@ucs.indiana.edu
Rural Education and Small Schools (RC)	800/624–9120	Berma Lanham	u56d9@wvnvm.wvnet.edu
Science, Mathematics & Environmental Ed. (SE) *	800/ –	Joe Heimlich	heimlich@magnus.acs.ohio-state.edu
Social Studies/Social Science Education (SO)	800/266–3815	Vickie Schlene	ericso@ucs.indiana.edu
Teaching and Teacher Education (SP) *	800/ –	Dorothy Stewart	dstewart@inet.ed.gov
Urban Education (UD)	800/601–4868	Larry Yates	lry2@columbia.edu
Adjunct Clearinghouses:			
Chapter 1 (Compensatory Education)	317/244–8160	Sheila Short	N/A
Clinical Schools *	800/ –	Ismat Abdal-Haqq	iabdalha@inet.ed.gov
Consumer Education (CN)	313/487–2292	Patricia Bonner	cse-bonner@emunix.emich.edu
ESL Literacy Education (LE)*	800/ –	Fran Keenan	cal@guvax.georgetown.edu
United States–Japan Studies (JS)	800/266–3815	Elizabeth Brooks	eabrooks@ucs.indiana.edu
Publisher:			
Oryx Press	800/279–6799	Magon Kinzie	arhjb@asuvm.inre.asu.edu

*** Toll-free number to be announced.**

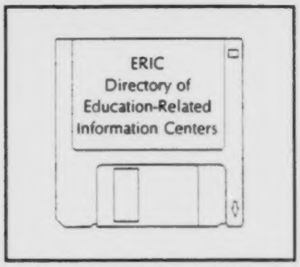
Call 1–800–LET–ERIC

New Video Offers Broad ERIC Overview

The ERIC Clearinghouse on Information & Technology has produced a video that offers librarians and educators an effective way to introduce ERIC to their users. *ERIC: In Action* offers viewers a broad perspective on ERIC as their premier source for education information. The 15-minute video covers four major topics: basic structure, major benefits, key index features, and options for locating materials. *ERIC: In Action* provides an excellent lead-in to further discussion on the many avenues of access to the ERIC system. If you're a librarian or a library or education professor hoping to introduce your audience to this powerful education resource and shed some light on the many facets of ERIC, this video is for you! The cost is $17 (including postage). Order your copy today! Call 1–800–LET–ERIC for more information.

Information Centers Directory Now on Disk

The *ERIC Directory of Education-Related Information Centers* is now available on searchable disk. The *Directory* includes profiles of 400 national and regional organizations that provide such services and products as reference and referral, technical assistance, information syntheses, online searches, outreach, audiovisual materials, and publications.



You can search for any word, phrase, or concept that might appear in an organization's entry. Pull-down menus for beginners and mnemonic commands for experts support searching at all skill levels. The *Directory* on disk supports full Boolean logic (AND, OR, NOT), allowing you to further refine your search specifications. Once you've identified organizations of interest, you can read about them on your computer screen, print them, or copy them to disk. The disk operates on IBM-compatible computers with DOS 2.0 or higher and 512k RAM (minimum). Your hard disk must have at least 1.5 megabytes of space free.

The *ERIC Directory of Education-Related Information Centers* on disk is $25. The print version is $20 and includes organization name, subject, and geographic indexes. **Order both and receive a $5 discount**, bringing your cost to $40. To order your copy, contact ACCESS ERIC at 1–800–LET–ERIC.

EDRS Offers New Topical Microfiche Collections

In response to many requests from school systems for information on **outcome-based education** (OBE) and other alternatives to traditional student assessment, the ERIC Document Reproduction Service (EDRS) is offering a special microfiche collection on this topic. Designed to meet the information needs of teachers and administrators, this collection presents the state-of-the-art on OBE, performance-based education, classroom assessments, and student portfolios. Some of the topics included in this collection are: outcome-based education as an approach to improving school quality; case studies of states and districts where OBE has been adopted (e.g., Pasco, Washington, and Minnesota model); and comparisons of alternative assessment protocols with traditional testing techniques. The collections are offered on an annual subscription basis for $195. The full subscription includes the base collection, quarterly updates of newly released documents, a microfiche storage box, and a print index (also updated quarterly). To order, call 1–800–443–ERIC. EDRS also offers microfiche topical collections on **school restructuring** and **multicultural education**.

Adjunct ERIC Clearinghouse Name Change

The Adjunct ERIC Clearinghouse on Literacy Education for Limited-English-Proficient Adults and Out-of-School Youth (also known as the National Clearinghouse on Literacy Education) recently changed its name to the National Clearinghouse for ESL Literacy Education. The new name is intended to more accurately reflect the Adjunct's scope. The acronym—NCLE—will remain the same.

Paper Copy of *RIE Semiannual Index* May Be Discontinued

The U.S. Department of Education ERIC Program is considering discontinuing the paper copy of the *Resources in Education Semiannual Index*. If you would like to support or oppose this action, please call ACCESS ERIC at 1–800–LET–ERIC to voice your opinion.

Call 1–800–LET–ERIC

ERIC Information Online File Update

The *Interchange* announces a new, regular feature. Due to the increasing number of requests about the availability of ERIC information online, ACCESS ERIC and the ERIC Clearinghouse on Information & Technology are collaborating to offer information by and about ERIC to all types of users through a variety of online information services. This new feature will keep you up-to-date on the many services offered and the vendors that host them. Several Clearinghouses offer online information as well. These services will be presented in future issues.

AskERIC

Highlighted in the March 1993 issue of the *Interchange*, AskERIC is quickly becoming known as **the** leading Internet resource for education information. AskERIC, a project of the ERIC Clearinghouse on Information & Technology, provides question-answering, help, and referral to K–12 educators through the Internet. AskERIC now receives an average of 250 electronic mail inquiries weekly.

In addition, AskERIC's growing file of resources on an FTP/Gopher site is now used at the phenomenal rate of 15,000 times per week! This site, referred to as the AskERIC Electronic Library, includes hundreds of lesson plans, news and information about AskERIC, ERIC Digests in full-text, prepared searches on current topics, resource guides, popular "Qs & As," and the archives of some education-related listservs. See the attached ERIC Networker, *The AskERIC Service for K–12 Educators*, for more information and instructions on how to access AskERIC.

CompuServe

CompuServe offers subscribers access to the entire ERIC database (1966–) by providing interested users with a link to DIALOG. In order to give CompuServe users further access to ERIC information, ACCESS ERIC and CompuServe have collaborated to establish an ACCESS ERIC library and message center.

ACCESS ERIC's section includes InfoGuides—packets of information related to CompuServe users' frequently asked questions. Each InfoGuide consists of the full text of several ERIC Digests, related organizations from ACCESS ERIC's **Education-Related Information Centers Database** that users can contact for more information, and other pertinent information. The section also includes Conclusion Brochures, Digests, education-related conference information and information centers, and ERIC news. For ERIC information on CompuServe, access the 'Education Forum.' To access the database, type 'go ERIC.'

GTE-Education Services (GTE–ES)

For the past 3 years, ACCESS ERIC and GTE–ES have worked together to offer the last 5 years of the ERIC database along with the ACCESS ERIC Reference and Referral databases to subscribers. These databases include:

- ERIC Digests Online (full-text of more than 1,000 Digests; produced by the ERIC Facility)
- ERIC Information Service Providers (more than 1,040 providers)
- ERIC Calendar of Education-Related Conferences (more than 550 conferences)
- ERIC Directory of Education-Related Information Centers (more than 400 centers)

ACCESS ERIC and GTE–ES are collaborating to create an ordering system that will enable users to request the hard copy of selected recent ERIC Clearinghouse and ACCESS ERIC publications directly through GTE. This system should be available in Winter 1994.

You'll find the ERIC database and ACCESS ERIC Reference and Referral Databases through GTE–ES, under 'Databases,' then 'ERIC Databases.'

For more on ERIC information online, contact ACCESS ERIC at 1–800–LET–ERIC.

ERIC COMPONENT SPOTLIGHT

In this issue, we spotlight the Adjunct ERIC Clearinghouse for U.S.–Japan Studies.

The National Clearinghouse for U.S.–Japan Studies (NCUS) provides a variety of services and products to elementary and secondary administrators, teachers, policymakers, and others interested in teaching and learning about Japanese culture and society and about U.S.–Japan interrelationships. NCUS is an Adjunct ERIC Clearinghouse funded by the Center for Global Partnership and the United States–Japan Foundation of New York.

While the primary audience for the Clearinghouse is K–12 educators, services also are available for college-level faculty and citizen groups working to expand public knowledge about Japan. Clearinghouse staff will work with you to identify your individual needs. The foundation for all Clearinghouse activities is a computer-searchable database of curriculum materials, journal articles, research reports, and other materials useful to classroom teachers and curriculum planners.

Now in its fourth year of operation, the Clearinghouse is expanding its services and publications. Upcoming services include conference workshops and a toll-free number. Upcoming publications include Digests, a National Precollegiate Japan Network members' publications list, and *Teaching About Japan: Materials and Resources List from the NCUS Database*. NCUS also plans to work with the university community to promote cross-cultural understanding and education about Japan.

NCUS publishes a free newsletter, *SHINBUN–USA*, and offers free Digests. For a publications list or more information contact: National Clearinghouse for U.S.–Japan Studies, Indiana University, Social Studies Development Center, 2805 East Tenth Street, Suite 120, Bloomington, IN 47408–2698, phone: 1–800–266–3815; fax: 812/855–0455; Internet: risinger@ucs.indiana.edu

VENDOR NEWS

The following ERIC vendors provided announcements for this *Interchange*:

OCLC:

Effective July 1, 1993, OCLC changed its EPIC service prices to make it easier for libraries to predict search costs and to remember prices across databases. As a result, the new connect-hour charge for the ERIC database is $20; format charges for ERIC are standardized at $.05; online and offline record display charges are now the same; the practice database connect-hour price is standardized at $10; and the display list is in the free display format for browsing search results.

A subscription pricing plan for The FirstSearch Catalog enables libraries to pay an annual fee for unlimited searching of databases. The majority of current FirstSearch databases, though not all, will be available via subscription. Here are some advantages of subscription pricing: predictability of online searching charges; unlimited searching on selected databases; and fewer administrative tasks than with pre-search pricing.

For more pricing information, contact your OCLC-affiliated Regional Network or call the OCLC National Sales Division at 1–800–848–5878 (U.S. and Canada) or 1–800–848–8286 (Ohio).

SilverPlatter:

SilverPlatter Information announced the addition of the full text of more than 1,000 ERIC Digests to its CD-ROM version of the ERIC database. The new records are available at no extra charge to subscribers. The digest records were previously contained in the database, but without the full text of the actual documents. The SilverPlatter version of ERIC on CD-ROM now contains more than 775,000 records on two compact discs. To retrieve the full-text Digests, type 'dtn=073.'

Call 1–800–LET–ERIC

NEW ERIC PUBLICATIONS AND PRODUCTS

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE)

☞ Digests (free)

Workplace Literacy: Lessons from Practice (#131)
Career Resource Centers (#137)
Women, Human Development, and Learning (#139)

☞ Trends and Issues Alerts (free)

The Changing Work Force
Gender Equity in Vocational Education
Minority Participation in Continuing Education

In addition to paper copies of recent no-cost products, ERIC/ACVE now offers disk copies. Supply an IBM-compatible disk and ERIC/ACVE will copy requested Digests or Trends and Issues Alerts onto it. Contact ERIC/ACVE, 1900 Kenny Road, Columbus, OH 43210–1090, phone: 1–800–848–4815; fax: 614/292–1260; Internet: ericacve@magnus.acs.ohio-state.edu

From the Clearinghouse on Educational Management (ERIC/EA)

☞ Value Search on School Restructuring, $7.50

This Value Search contains 223 citations. Value searches consist of abstracts of items from ERIC on various "hot" topics in educational management. It is laser printed and durably bound. Instructions for ordering complete copies of search items are included. To order, contact ERIC/EA, University of Oregon, 1787 Agate Street, Eugene, OR 97403–5207, phone: 1–800–848–4815; fax: 503/346–2334; Internet: ppiele@oregon.uoregon.edu

From the ERIC Clearinghouse on Disabilities and Gifted Education (ERIC/EC)

☞ *How to Find Answers to Your Special Education Questions*, No. R637, $12, includes postage and handling

This 70-page user-friendly guide for librarians, other professional searchers, and anyone who needs literature searches in special education includes basic information on how and where to access ERIC and tips on planning search strategies to get the best possible searches on topics related to disabilities or gifted education.

To order, contact ERIC/EC, 1920 Association Drive, Reston, VA 22091–1589, phone: 1–800–328–0272, fax: 703/264–9494. Internet: ericec@inet.ed.gov

From the ERIC Clearinghouse on Information & Technology (ERIC/IT)

The following materials are available with a self-addressed stamped envelope from: ERIC/IT, 4-194 Center for Science & Technology, Syracuse University, Syracuse, NY 13244–4100, 1–800–464–9107; fax: 315/443–5448; Internet: eric@ericir.syr.edu

☞ Digests (free)

Information Literacy for Lifelong Learning
Public Libraries and Cultural Diversity
Telecommunications and Distance Education
School-University Partnerships and Educational Technology

From the ERIC Clearinghouse on Reading, English, and Communication

☞ Digests (free)

The Computer-Networked Writing Lab: One Instructor's View (EDO-CS-93-03)
Bibliotherapy (EDO-CS-93-05)

These publications are available from the ERIC Clearinghouse on Reading, English, and Communication, Indiana University, Smith Research Center, Suite 150, Bloomington, IN 47408–2698, phone: 1–800–759–4723; fax: 812/855–4220; Internet: mmclain@ucs.indiana.edu

The *ERIC Users' Interchange* is published biannually by ACCESS ERIC.

Editor . . . . Belinda J. Taheri

Special thanks to Ted Brandhorst and Carol Boston for their assistance.

Look for the next issue in March 1994.

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NETWORKER
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Phone: (315) 443-3640 • Fax: (315) 443-5448 • Internet: eric@ericir.syr.edu

Number 5.2 **September 1993**

The AskERIC Service for K-12 Educators

ERIC is...

...the Educational Resources Information Center, a federally-funded national information system that provides access to an extensive body of education-related resources. The ERIC Clearinghouse on Information & Technology (ERIC/IT), sponsor of the AskERIC project, is one of 16 ERIC Clearinghouses nationwide that provide a variety of services, products, and resources at all education levels.

AskERIC is...

...an Internet-based question-answering service for teachers, library media specialists, and administrators, and others involved in K-12 education. The hallmark of AskERIC is the human intermediary, who interacts with the information seeker and personally selects and delivers information resources within 48 working hours. The benefit of the human-mediated service is that it allows AskERIC staff to determine the precise information needs of the client and to present an array of relevant resources, both from the ERIC system and from the vast resources of the Internet.

Anyone involved with K-12 education may send an e-mail inquiry (via the Internet) to AskERIC. Simply address your message to:

askeric@ericir.syr.edu

The AskERIC Electronic Library

The AskERIC Electronic Library is a Gopher/FTP site of selected resources for education and general interest. Some of the contents include:

- Lesson Plans
- ERIC Digests
- AskERIC Help Sheets
- Reference Tools
- Internet Guides and Directories
- Government Information
- AskERIC InfoGuides
- Archives of education-related listservs, such as EDPOLYAN, LM_NET, K12ADMIN, and KIDSPHERE.
- Remote access to library catalogs
- Access to other Gopher sites

To Gopher to the AskERIC site:

A. If you have Gopher: Gopher to ericir.syr.edu (port #70) or

1. Access the National Gopher System through: gopher.micro.umn.edu
2. Move through the following directories:
   Other Gopher and Information Servers/
   North America/
   USA/
   General/
   AskERIC - (Educational Resources Information Center)

B. If you don't have Gopher, telnet to a Gopher client on the Internet:

1. Telnet to: ericir.syr.edu
2. Login as directed (usual login is: 'gopher')
3. Access the National Gopher System
4. Move through the directories as above.

To FTP to the AskERIC site:

1. Log into your local host, and invoke the FTP program.
2. Write ericir.syr.edu as the remote host computer name.
3. For username, enter anonymous
4. For password, enter your e-mail username (e.g. tomt@machine.edu)

For More Information

We are excited about AskERIC's success to date and are eager to expand AskERIC question-answering to new K-12 audiences and to further develop services and resources. Through AskERIC Partnership, state networks and education agencies work cooperatively with the ERIC Clearinghouse on Information & Technology to provide the highest level AskERIC information service to large groups of educators. To discuss options, please contact:

Nancy Morgan
Richard Tkachuck
AskERIC Coordinators
askeric@ericir.syr.edu

Mike Eisenberg
Director, ERIC/IT
mike@ericir.syr.edu

ERIC Clearinghouse on Information & Technology, Syracuse University, Syracuse, NY 13244-2340
phone: (315) 443-3640; fax: (315) 443-5448

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Field Labels/Tags in Use by Online and CD-ROM System Vendors for the ERIC Database

ERIC® Ready Reference #18
June 1993

				DIALOG (Online and CD-ROM)		BRS (InfoPro) (Online)		SilverPlatter (CD-ROM)		
#	Field	Mandatory/ Optional	File Used In	Label/ Tag	Example(s)	Label/ Tag	Example(s)	Label/ Tag	Example(s)	Notes
1	**ERIC Accession** Number (including limiting by file segment)	M	ED/EJ	Online: None Disk: EN	Type ED123456 S3/ED260173-ED999999 S5/ED EN=EJ406522	.AN.	ED305328.AN. ..L/1 AN>ED305328 1 and ED.AN.	AN	AN=ED348055 ED348055 in AN	EN = ERIC Number
2	**Clearinghouse Accession Number**	M	ED/EJ	AN=	AN=IR514912	.CH.	EA502700.CH.	CHN	CHN=UD024506 UD024506 in CHN	
3	**Clearinghouse Prefix**	M	ED/EJ	CH=	CH=IR	.CH.	SO.CH.	CH	CH=JC JC in CH	
4	**Issue of Abstract Journal (RIE or CIJE)**		ED/EJ	JA=	JA=RIEMAY93	.IS.	RIEMAY92.IS.	IS	Not searchable	JA = Journal Announcement DIALOG: RIE since 1969; CIJE since Mar. 1979
5	**Title**	M	ED/EJ	/TI	S VCR (F) Classroom/TI	.Ti.	Student ADJ Competition.TI.	TI	Computers in TI	
6	**Personal Author**	O	ED/EJ	AU=	AU=Reider, Bob?	.AU.	Finney-D$.AU.	AU	Bruner-Jerome-S in AU	
7	**Publication Date**	M	ED/EJ	PY=	PY=1986 S1/1986	.YR.	89.YR. ..L/1 YR>88	PY	PY>=1988 1993 in PY	PY = Publication Year
8	**Journal Citation**	O/M	ED (O) EJ (M)	JN=	JN=Daedalus	.SO.	Reading ADJ Horizons.SO.	JN	Libraries* in JN	JN = Journal Name SO = Source (Journal)
9	**Publication Type** (Code and Name)	M		DT=	DT=080 DT=Project Description	.PT.	'080'.PT.	DT DTN	Guides in DT DTN=041 041 in DTN	DT = Document Type DTN = Document Type #; Field added Sept. 1974.
10	**Language** (of Document)	M		LA=	LA=German	.LG.	sp.LG.	LA	LA=French French in LA	Field Added January 1979. BRS: Language names converted to two-character codes
11	**Descriptive Note**	O	ED/EJ	/NT	S Evaluation (W) Network/NT	.NT.	Paper with Conference.NT.	NT	Presented in NT	DIALOG: Online from May 1985; CD-ROM from 1966
12	**Target Audience**	O	ED/EJ	TA=	TA=Practitioners	.ID.	Practitioners.ID.	TA	TA=Parents Parents in TA	RIE: Since 1975; CIJE: Since 1984; BRS incorporates in Identifier Field
13	**Abstract/ Annotation**	M/O	ED (M) EJ (O)	/AB	S Audiovisual (W) Material?/AB	.AB.	Teacher with Mentor.AB.	AB	Consumer in AB	
14	**Pagination**	M	ED	—	—	—	—	PG	12 in PG PG>=12	Not searchable online.
15	**Level of Availability** (1, 2, or 3)	M	ED	—	—	.LV.	'3'.LV.	LV	LV=3 3 in LV	BRS: Numbers must be enclosed in apostrophes
16	**Report Number**	O	ED	RN=	RN=CBR-85-2	.NO.	CS-89-267.NO.	RN	RN=TR-2-ONR TR-2-ONR in RN ISBN-0-7246-1346-3 in RN	NO = Number BRS combines report number, contract number, and grant number fields

				DIALOG		BRS		SILVERPLATTER		
17	**International Standard Book Number (ISBN)**	O	ED	BN=	BN=0-7246-1346-3	.NO.	ISBN-0-7246-1346-3.NO.	RN	RN=ISBN-0-7246-1346-3	DIALOG extracts from report number field and puts in separate field
18	**International Standard Serial Number (ISSN)**	O	ED/EJ	SN=	SN=0002-9769	.NO.	ISSN-0002-9769.NO.	SN	SN=ISSN-0738-4122	
19	**Contract/Grant Number**	O	ED	CN=	CN=NIE-G-83-0005	.NO.	NIE G-83-0005.NO.	CN	CN=400-83-0015 400-83-0015 in CN	ERIC merged contract and grant fields in 1991.
20	**Geographic Source** (Country/State)	O	ED	CP=	CP=U.S. CP=Kenya	.GS.	Minnesota.GS.	CP	CP=Maryland Maryland in CP	CP = Country of Publication. Field added January 1979.
21	**Governmental Status**	O	ED	GL=	GL=Federal	.GV.	State.GV.	GL	GL=Local Local in GL	GL = Governmental Level
22	**Availability** (Outside ERIC)	O	ED	Online SO Disk: AL	Not Searchable	.AV.	UMI.AV.	AV	Not Searchable	SO = Source Information AL = Alternative availability.
23	**EDRS Price**	M	ED	AV=	AV=(EDRS(W)Price)	.PR.	PR-NA.PR.	PR	Not Searchable	EDRS = ERIC Document Reproduction Service PR-NA = Document not available from EDRS
24	**Institution (Preparing)** —Name —Code	 O O	 ED ED	CS=	CS=(Council(F)Library) CS=BBB00001	.IN.	Community ADJ College$.IN. BBB10359.IN.	CS	Rand in CS	CS = Corporate Source Not searchable on CD-ROM
25	**Sponsoring Agency** —Name —Code	O	ED	SP=	SP=(Northwest(2W)Lab?) SP=BBB19860	.SN.	Northwest with Lab$ .SN. BBB19860.SN.	SP	Northwest in SP	Code not searchable on CD-ROM
26	**Update Code**	—	ED/EJ	UD=	UD=9999	.UP.	..L/1 UP=8910	?	?	Field added by vendors.
27	**Descriptor**	M	ED/EJ							DF = Descriptor "Full" DIALOG: Unlabelled multiword terms are automatically searched in both Descriptor and Identifier fields. MAJ, MJ = Major Descriptor MIN, MN = Minor Descriptor DIALOG: /MAJ =/* (i.e., equivalent commands)
	A. Single Word Descriptor			/DF	Scores/DF	.MJ, MN.	Scores.MJ, MN.	DE	Scores- in DE Scores-	
	B. Multiword Descriptor			No label necessary	Student Rights	No label. Hyphenate	Student-Rights	DE	Student-Rights or Student-Rights in DE	
	C. Words Within a Descriptor			/DE	Ability/DE	.DE.	Ability.DE.	DE	Ability in DE	
	D. Major Subject Descriptor			/MAJ or D*, DF*	Course Content/MAJ or Course Content/DE* or Scores/DF*	.MJ.	Course-Content.MJ.	DEM	Course-Content in DEM	
	E. Minor Subject Descriptor			/MIN	Bibliographies/MIN	.MN.	Bibliographies.MN.	DER	Bibliographies in DER	
28	**Identifier**	O	ED/EJ							
	A. Single Word Identifier			/IF	Scotland/IF	.ID.	Holocaust.ID.	ID	Scotland- in ID	IF = Identifier "Full" DIALOG: Unlabelled multiword terms are automatically searched in both Descriptor and Identifier Fields. BRS: All searches of Identifier field are free text searches. Cannot distinguish single word v. multiword Identifiers. Cannot discriminate major/minor Identifiers.
	B. Multiword Identifier			No label necessary	Family Literacy	.ID.	Rorschach adj Test.ID.	ID	School-Effects in ID	
	C. Words Within an Identifier			/ID	Alaska/ID	.ID.	Diversification.ID.	ID	Diversification in ID	
	D. Major Subject Identifier			/MAJ or ID*, IF*	Active Learning/MAJ or ERIC/IF*	—	—	IDM	ERIC in IDM	
	E. Minor Subject Identifier			/MIN	ERIC Digests/MIN	—	—	IDR	ERIC-Digests in IDR	

ERIC® USERS' INTERCHANGE

April 1994

SPECIAL INTEREST NEWS FOR *INTERCHANGE* READERS

Adjunct ERIC Clearinghouses Gaining in Scope and Popularity

When you think of the ERIC Clearinghouses, you probably think of the 16 subject-specific clearinghouses responsible for abstracting and indexing the materials that appear in the ERIC database and for providing reference and referral services. While there are 16 such *traditional* ERIC Clearinghouses, there are also (at last count) seven *Adjunct* ERIC Clearinghouses you may not be familiar with. These adjuncts are associated with the ERIC Clearinghouses that encompass their topics but have a more specific focus.

While the 'parent' clearinghouse concentrates on a large subject area, such as **Assessment and Evaluation,** the adjunct clearinghouse concentrates on a specific topic—in this case, **Test Collection**. Like the parent clearinghouse, the adjunct is staffed with knowledgeable personnel who can help you with your information needs. Following are brief descriptions of each adjunct and examples of the variety of ways they can provide you with information in their targeted subject areas:

Chapter 1 (Compensatory Education)
Chapter 1 Technical Assistance Center
PRC Inc.
2601 Fortune Circle East
One Park Fletcher Building, Suite 300–A
Indianapolis, IN 46241–2237
Toll Free: 800/456–2380
Telephone: 317/244–8160
Fax: 317/244–7386

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RIE Semiannual Index in Paper Copy May Be Discontinued

The U.S. Department of Education's ERIC Program is considering discontinuing the paper copy of the *Resources in Education Semiannual Index.* If you would like to support or oppose this action, please call ACCESS ERIC at 1–800–LET–ERIC to voice your opinion. The *Interchange* will report the results of this poll in a future issue.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RR92024001 for the Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 1600 Research Boulevard, 3C, Rockville, MD 20850–3172, 1–800–LET–ERIC (538–3742).

(continued from page 1)

The Adjunct ERIC Clearinghouse on Chapter 1 assists state and local education agencies in evaluating and improving their compensatory education programs. It also acquires and maintains workshop materials and documents produced by the nationwide network of Chapter 1 Technical Assistance Centers. If your school district needs information on or assistance in implementing Chapter 1 programs, this is the adjunct to call.

Clinical Schools (CSC)
ERIC Clearinghouse on Teaching and Teacher Education
American Association of Colleges for Teacher Education
One Dupont Circle NW, Suite 610
Washington, DC 20036–1186
Telephone: 202/293–2450
Fax: 202/457–8095
Internet: iabdalha@inet.ed.gov

This adjunct clearinghouse is a source of information on clinical, professional development, and professional practice schools and similar institutions. Like all adjuncts, CSC works to increase the amount of literature that appears in the ERIC database in its area of coverage. It also produces bibliographies, periodic papers, digests, and other materials on issues related to clinical schools.

Consumer Education
National Institute for Consumer Education
207 Rackham Building, West Circle Drive
Eastern Michigan University
Ypsilanti, MI 48197–2237
Toll Free: 800/336–6423
Telephone: 313/487–2292
Fax: 313/487–7153
Internet: cse_bonner@emunix.emich.edu

With one of the largest collections of consumer education materials in the nation, the National Institute for Consumer Education (NICE) is a resource and professional development center for consumer and personal finance educators in the nation's schools, workplaces, and communities. NICE links educators with materials on decisionmaking, resource management, and consumer rights/responsibilities. Among the resource management concepts are earning money, saving and investing, credit, insurance, and paying taxes. In addition to clearinghouse functions, NICE publishes a newsletter and a diverse set of consumer education materials. It also offers workshops and seminars to provide updates on content, teaching methods, and materials.

ESL Literacy Education (NCLE)
Center for Applied Linguistics
1118 22nd Street NW
Washington, DC 20037
Telephone: 202/429–9292, Extension 200
Fax: 202/659–5641
Internet: ncle@cal.org

The National Clearinghouse for ESL Literacy Education's (NCLE) mission is to provide practitioners and others with timely information on adult literacy education. NCLE (pronounced 'nickle') deals with all aspects of literacy education for adults and out-of-school youth with limited English proficiency. It provides free publications on ESL literacy as well as other publications on the subject of literacy education. Call NCLE if you work with ESL adult students or are interested in this subject.

Law-Related Education (LRE)
Indiana University
Social Studies Development Center
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Toll Free: 800/266-3815
Telephone: 812/855–3838
Fax: 812/855–0455
Internet: ericso@ucs.indiana.edu

This adjunct was established as part of a partnership between the ERIC Clearinghouse for Social Studies/Social Science Education and the American Bar Association Special Committee on Youth Education. It produces and disseminates information on all areas of law-related education, including citizenship education, the United States Constitution, the law and legal issues, and the Bill of Rights.

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Test Collection
Educational Testing Service
Rosedale Road
Princeton, NJ 08541
Telephone: 609/734–5737
Fax 609/683–7186
Internet: mhalpern@rosedale.org

This adjunct clearinghouse prepares descriptions of commercially and non-commercially available tests, checklists, instruments, questionnaires, and other assessment and evaluation tools. The Educational Testing Service entered into a partnership with the ERIC Clearinghouse on Assessment and Evaluation to make these descriptions available to a wider audience.

National Clearinghouse for U.S.–Japan Studies (JS)
Indiana University
Social Studies Development Center
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Toll Free: 800/266–3815
Telephone: 812/855–3838
Fax: 812/855–0455
Internet: eabrooks@ucs.indiana.edu

This Adjunct ERIC Clearinghouse provides a variety of services and products to elementary and secondary teachers, librarians, administrators, policymakers, and others interested in teaching and learning about Japanese culture and society and United States–Japan interrelationships. It offers free database searches on any related topic and provides a free newsletter and topical Japan Digests upon request. Other publications include *Resources for Teaching About Japan* by Linda S. Wojtan, a publications list, and a guide to teaching materials on Japan.

As you can see, the ERIC Clearinghouses are working to establish an adjunct system that will provide you with a variety of products and services targeted toward your specific education information needs—and there are more adjuncts to come. The next time you need information that falls under the purview of an adjunct, go right to the source!

ERIC/HE, ERIC/FL, and ERIC/SP Get Toll-Free Numbers

Three more ERIC Clearinghouse toll-free numbers are now in service: Higher Education (1–800–773–3742), Languages and Linguistics (1–800–276–9834), and Teaching and Teacher Education (1–800–822–9229). Toll-free numbers for the remaining two Clearinghouses (Assessment and Evaluation and Science, Mathematics, and Environmental Education) should be available by May 1994. Call ACCESS ERIC at 1–800–LET–ERIC for updated information as it becomes available.

EDRS Announces Price Changes

Effective January 1, 1994, prices changed for most ERIC products available through the ERIC Document Reproduction Service (EDRS). ERIC Clearinghouse collection prices remained at the 1993 rate of $ .28 per microfiche. Other EDRS prices are now as follows:

	1993 Rate	New Rate
Monthly Subscriptions (per microfiche)	$ .110	$ .120
Back Collections (per microfiche)	.141	.146
On-demand Microfiche (per title, up to 5 fiche)	1.183	1.230
On-demand Paper Copies (per 25-page increment)	3.30	3.53

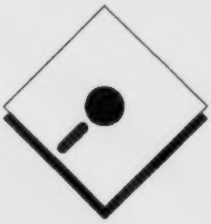
Prices do not include shipping and handling and are subject to change. Questions? Call EDRS at 1–800–443–ERIC (3742).

Free Dissemination of Your Publications in Full-Text Now Available Through ERIC

Let ERIC help you disseminate the full-text of your short papers, portions of larger works, and newsletter articles in electronic format. As you know, the ERIC database is the primary bibliographic database in the field of education. The popularity of full-text, electronic information retrieval has led to a special project at ACCESS ERIC to acquire and process digest-like publications that can be added to the ERIC Digests Online (EDO) file. This file includes publications designed to provide an overview of information on a given topic, plus references to items providing more detailed information. (See the Attached 'ERIC Digests' Ready Reference for more information).

We'd like to include your materials among the variety and number of full-text documents available in the EDO portion of the ERIC database. If you or someone at your organization has written a short paper, newsletter article, or other type of research synthesis from 2 to 10 pages in length on a topic of current interest in education, we encourage you to submit it for possible inclusion in the EDO file.

EDO availability will help you share your research with hundreds of thousands of ERIC users annually, giving your work greater visibility and a larger audience. The EDO file will be available through online database retrieval services, at locations offering computer searches of ERIC on CD-ROM, and via the Internet.



You can submit relevant materials to ACCESS ERIC on disk or electronically via the Internet (acceric@inet.ed.gov). If your publications are unavailable on disk, you can submit high-quality paper copy and ACCESS ERIC will scan it.

Call Barak Stussman at 1–800–LET–ERIC to make arrangements to have your full-text materials included.

ERIC
Information
Online
File Update

ERIC Information Online File Update provides you with highlights of current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.).

The Internet

Holy Cow! AskERIC has gone WWW!

The AskERIC Electronic Library prides itself on staying in the forefront of Internet applications and use. To this end, AskERIC announces its new World Wide Web (WWW) server. This server, called The AskERIC COWS (Convincingly Operational Web Server), acts as a growing front-end to the AskERIC Electronic Library. The AskERIC COWS allows AskERIC to satisfy its growing population of high-end users. By using advanced WWW clients such as the National Center for Supercomputing Application's (NCSA) Mosaic, users can access the AskERIC Electronic Library in multimedia and hypercard. This includes full-color graphics, full-motion video, animation, and sound! WWW finally allows authors to truly publish their works on the Internet, not merely post them in ASCII text.

To access this new service from a text-based system:

```
telnet eryx.syr.edu
login as gopher
```

To access this service from Mosaic:

Open the URL
http://eryx.syr.edu/COWSHome.html

Call 1–800–LET–ERIC

SUPERK12 Listserv

SUPERK12 is a listserv to promote the development of high-bandwidth Internet and supercomputing implementation and use in the K–12 environment. A recent survey found that there are a significant number of K–12 schools with 56K or T1 Internet connections that would like to collaborate with other schools on projects and learning activities. In addition, several national research laboratories are looking for K–12 partners to demonstrate, teach, and interact with. SUPERK12 will be archived on the ERIC gopher at ericir.syr.edu.

ERIC/CSMEE Lets You Go Gopherin'

The ERIC Clearinghouse for Science, Mathematics, and Environmental Education (ERIC/CSMEE) has increased its electronic dissemination of information by providing access to expansive resources via its Internet Gopher site. The site offers the full text of Digests, bulletins, and curriculum files, pointers to a wide variety of education resources, and much more. To connect to the ERIC/CSMEE Gopher, from your favorite Gopher client select: gopher.ericse.ohio-state.edu

AskERIC Online on America Online

ERIC is pleased to announce the unveiling of AskERIC on America Online. ACCESS ERIC and America Online have collaborated to create an AskERIC online bulletin board for subscribers to this commercial online service. While ACCESS ERIC has operated a bulletin board on America Online for more than a year, we have recently revamped the area to include more information that appeals to a broader audience.

To access AskERIC on America Online, type the keyword 'ERIC.' This will take you to the AskERIC section, where you will find such information as ERIC News, ERIC Digests Online in full text, a 'Greatest Hits' Library, the 1994 *ERIC Calendar of Education-Related Conferences*, and the *Directory of Education-Related Information Centers*. You can search these sections by clicking the 'ERIC Databases' icon, which prompts you to indicate the terms and sections you would like to search.

To talk to someone at ACCESS ERIC or to start a discussion group on a topic related to education, you can leave a message in the Message Center.

AskERIC on America Online was unveiled March 9. We encourage you to visit our section and offer comments or suggestions on how we can provide you with more education information you can use.

Electronic Bulletin Board System

ERIC Clearinghouse on Rural Education and Small Schools announces toll-free electronic BBS!

The ERIC Clearinghouse on Rural Education and Small Schools is about to begin operating its toll-free electronic bulletin board service (BBS). Educators anywhere in the nation with a computer and modem will be able to access the BBS free.

In addition to information about the Clearinghouse and the ERIC system, clients will be able to read and download bibliographies and Digests on topics of interest in the education of American Indians and Alaska Natives, Mexican Americans, and migrants; in outdoor education; and in rural education and small schools. In addition, users will be able to download the ERIC Reproduction Release Form, which permits anyone to submit materials for inclusion in the ERIC database. Planning is in the works to provide clients access to educational shareware, as well. The system should be up and running shortly. For further information, call 1–800–624–9120; or contact Craig Howley on the Internet (u56e3@wvnvm.wvnet.edu).

The Clearinghouse is also updating its mailing list. As part of this effort, schools serving large numbers of rural students, Mexican American students, and American Indian and Alaska Native students have been added to the mailing list. If you or any of your patrons would like to receive the Clearinghouse's free newsletter, now would be a good time to get on the mailing list. Just call the Clearinghouse toll-free at 1–800–624–9120 or send an e-mail message to u56e1@wvnvm.wvnet.edu.

VENDOR NEWS

Two vendors have recently introduced new versions of the ERIC database on CD-ROM:

Oryx Press:

Oryx Press announces **CIJE (*Current Index to Journals in Education*) On Disc**. This CD-ROM subscription offers the complete CIJE database of approximately 500,000 records in a single searchable file and includes a year of quarterly updates for $199. The disc includes the *Thesaurus of ERIC Descriptors* and is designed to install in a DOS or Windows format. For more information, contact Oryx Press, 4041 North Central Avenue, Suite 700, Phoenix, AZ 85012–3397, phone: 800/279–ORYX; fax: 602/265–6250.

NISC:

The National Information Services Corporation (NISC) currently offers the ERIC Database free on CD-ROM with a subscription to any NISC DISC priced at $595 or higher. NISC offers more than 30 databases. The ERIC NISC disc installs on any CD-ROM hardware platform—single user, LAN, or WAN. Quarterly updates are provided. For more information, contact NISC, Wyman Towers, Suite 6, 3100 St. Paul Street, Baltimore, MD 21218, phone: 410/243–0797; fax: 410/243–0982.

NEW ERIC PUBLICATIONS AND PRODUCTS

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE)

☛ Myths and Realities Series (Free)

Integration of Academic and Vocational Education
Jobs of the Future
Self-Directed Learning

Single copies of these titles are available free and may be duplicated. Please include a self-addressed, stamped business-sized envelope ($.52 postage) to expedite your request. Contact Judy Wagner, ERIC/ACVE, 1900 Kenny Road, Columbus, OH 43210–1090, phone: 800/848–4815; fax: 614/292–1260; Internet: ericacve@magnus.acs.ohio-state.edu

From the ERIC Clearinghouse on Reading, English, and Communication (ERIC/CS)

☛ *!LEAMOS! Prepare a sus hijos a leer y escribir: 101 Ideas/LET'S READ! 101 Ideas to Help Your Child Learn to Read and Write*, 1993. Order no.: G45, $11.95 (includes postage and handling)

This bilingual book offers 101 practical suggestions, side-by-side in Spanish and English, for parents to help their children develop reading and writing skills.

Contact ERIC/CS, Indiana University, Smith Research Center, Suite 150, Bloomington, IN 47408–2698, phone: 800/759–4723; fax: 812/855–4220; Internet: mmclain@ucs.indiana.edu

From the ERIC Clearinghouse on Teaching and Teacher Education (ERIC/SP)

☛ *Greater than the Sum: Professionals in a Comprehensive Services Model*, Rebekah Levin, Editor, 1994. $22.50 prepaid (includes shipping and handling)

This book provides an overall picture of comprehensive services and offers a practical guide to the roles of teachers and other participants and the structuring of such programs in schools.

Contact ERIC/SP, AACTE, One Dupont Circle, NW, Suite 610, Washington, DC 20036–1186, phone: 202/293–2450; fax: 202/457-8095; Internet: ericsp@inet.ed.gov.

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Editor . . . . Belinda J. Taheri

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Look for the next issue in September 1994.

Call 1–800–LET–ERIC

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ERIC DIGEST

May 1993

EDO-IR-93-1

Information Literacy for Lifelong Learning

by Vicki E. Hancock

Beyond the basic skills of reading, writing, and arithmetic, the citizen/worker of the twenty-first century needs complex analytical skills. The technological tools of the Information Age--computer networks, telecommunications systems, and databases--have put an unprecedented volume of information at our fingertips. Yet how aware are we of what is available, when to use it, and how to find out about it?

Education systems and institutions must take seriously the challenges of the Information Age. This includes restructuring the learning process to reflect the use of information in the real world, changing the role of the teacher from presenter of prefabricated facts to facilitator of active learning, and including the library/media specialist as a collaborator in curriculum planning for effective use of information resources.

Information Literacy

For many years educators have heard about a variety of literacies--print, visual, computational, cultural, computer, scientific--and their importance in every child's education. Each of the literacies prescribes a process by which the learner can more easily negotiate the content unique to a particular area of study. Each of the literacies operates in isolation of the others, and each has its own vocabulary and conventions for study. Information literacy, on the other hand, is a potential tool of empowerment for all learners, reached through a "resource-based" learning approach.

Briefly defined, information literacy is an individual's ability to:

- recognize a need for information;
- identify and locate appropriate information sources;
- know how to gain access to the information contained in those sources;
- evaluate the quality of information obtained;
- organize the information; and
- use the information effectively. (Doyle, 1992)

Information literacy programs encourage shifts in the roles of teachers and learners. Such changes are essential to prepare learners to live and work in an information-centered society.

Shifts in Teaching and Learning

In an information literate environment, students engage in active, self-directed learning activities, and teachers facilitate students' engagement through a more adventurous style of instructional delivery. Students involved in information literate activities:

- seek a rich range of information sources;
- communicate an understanding of content;
- pose questions about the content being learned;
- use the environment, people, and tools for learning;
- reflect on their own learning;
- assess their own learning; and
- take responsibility for their own learning.

These students feel good about themselves as learners, and they leave school feeling passionate about some content.

Teachers trying to create an information literate environment for their students have given up the view that teaching is telling, that learning is absorbing, and that knowledge is static. They constantly make difficult choices about old curriculums, examining subject-area requirements closely, setting priorities, and considering process as well as content. They look beyond their classrooms for resources that will enrich the learning environment. They engage in collaborative activities that enrich their own professional development and their students' learning experiences. They seek the expertise of their school library media specialists as partners in the curriculum planning process.

Teachers involve students in complex tasks that have purposes beyond the limits of the classroom and the teacher's critical evaluation. They also create collaborative situations to develop students' social skills and problem-solving skills. They are familiar with a variety of learning tools, both print-based and electronic, and they encourage their students to move beyond the textbook when seeking information and solving problems.

Resources for Information Literacy

Information literacy thrives in a resource-based learning environment. In such an environment, students and teachers make decisions about appropriate sources of information and how to access them. Aside from more traditional print resources--textbooks, encyclopedias, newspapers, magazines--they use technological resources such as videotape and videodisc, CD-ROM, software tools, and simulation/modeling tools. They use computer networking and telecommunications for both data access and participation in learning communities. They use multimedia technologies as materials for gathering data and as production tools. They use their school library media centers to locate and use many of these resources.

In addition to using technological resources, learners also reach beyond classroom walls into their local communities for the rich supply of materials and authoritative information provided by businesses, social services agencies, citizens' groups, and public and university libraries. The mass media--cable and network television, radio broadcasts, and other national and international print and electronic services--provide yet another rich source for information.

Benefits of Information Literacy

For Students:

Information literacy--and the resource-based learning programs that foster it--counteracts the information dependency created by traditional schooling, where students must rely on the teacher to dispense information. It requires active learning. Students take more control of their learning, and the teacher is freed from the role of omniscient expert. Yet the teacher becomes more important in the role of facilitator of interaction at the small-group or individual level. The final product of resource-based learning is usually a paper, presentation or exit performance. Regardless of where and how information literacy skills are acquired, they are applicable in any school, play, or work situation.

Resource-based learning accommodates varied interests and ability levels. Students don't need to read exactly the same materials on the same topic when they are identifying their own approaches to a theme or topic of study. When teachers encourage students to do their own research, students take responsibility for their learning, and they retain more of the information they have gathered for themselves.

Information literate students are more effective consumers of information resources. They learn to recognize that information is packaged in a variety of ways, that it is packaged using a variety of techniques, that it serves a variety of interests, and that it contains a variety of value messages. Information literate students are more critical when they make decisions about the resources they use.

For Citizens:

Lengthening lifespans and increasing leisure time have altered the formula for what constitutes a productive, healthy, and satisfying life. To respond effectively to an ever-changing environment, people need more than just a knowledge base. They need techniques for exploring, making connections, and making practical use of information.

Information-literate citizens know how to use information to their best advantage at work and in everyday life. They identify the most useful information when making decisions such as where to locate a business, how to vote, or whether to have a child. They are able to evaluate newscasts, advertisements, and political campaign speeches, recognizing when statistics are being used to support only one aspect of a complex issue. Current issues pose unprecedented complexity and international implications--immigration and "brain drain," the drug crisis, and the state of the environment. When statistics saturate all aspects of a topic, information literacy enables citizens to recognize deception and disinformation, so that they may make a truly informed decision.

These citizens appreciate the value and power of information. They believe in the need for information to address problems and questions in their own lives, in their communities, and in society. They understand that information is not necessarily knowledge until it has been analyzed, questioned, and integrated into their existing body of knowledge and experiences. They are equipped to be lifelong learners because they know how to learn.

For Workers:

The workplace of the present and future demands a new kind of worker. Reading and arithmetic ability simply are not enough. In a global marketplace, data is dispatched in picoseconds and gigabits. The deluge of information must be sorted, evaluated, and applied, and workers must be able to gather, synthesize, interpret, and evaluate. Lack of these skills currently costs business billions of dollars annually in low productivity, accidents, absenteeism, and poor product quality. Workers must be information literate.

For the individual worker, the workplace has become a place of cataclysmic change and untold opportunity. Adapting to a rapidly changing work environment will mean multiple career and job changes. An early commitment to learning as a process, not as an end product, and to the role information literacy plays in this process, will enable workers to see these changes as transitional, not traumatic.

Resources

American Association of School Librarians and Association for Educational Communications and Technology. (1988). *Information power: Guidelines for school library media programs.* Chicago: American Library Association, and Washington: Association for Educational Communications and Technology. ED 315 029.

American Library Association Presidential Committee on Information Literacy. Final report. (1989). Chicago, Illinois: American Library Association. ED 315 074. (Single copies are available free by writing ALA, 50 East Huron St., Chicago, IL 60611.)

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Written by Vicki E. Hancock, Assistant Director, Curriculum/Technology Resource Center, Association for Supervision and Curriculum Development (ASCD), Alexandria, Virginia. May 1993.

For further information on this topic, contact the National Forum on Information Literacy, Dr. Patricia Senn Breivik, Chair, c/o American Library Association, 50 East Huron St., Chicago, IL 60611.

ERIC Digests are in the public domain and may be freely reproduced and disseminated.

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ERIC Digests

ERIC Digests are:

- short reports (1000–1500 words on one or two pages) on topics of prime current interest in education
- targeted specifically for teachers, administrators, policymakers, and other practitioners, but generally useful to the broad educational community
- designed to provide an overview of information on a given topic, plus references to items providing more detailed information
- produced by the 16 subject-specialized ERIC Clearinghouses, and reviewed by experts and content specialists in the field
- funded by the Office of Educational Research and Improvement (OERI), of the U.S. Department of Education
- available in original printed form directly from the producing Clearinghouses (ask to be placed on their mailing lists — ERIC Ready Reference #6 lists the Clearinghouses, together with full addresses, telephone and fax numbers, and brief scope notes describing the areas they cover)

ERIC Digests Online (EDO) is:

- a database accessible by computer ("online" or otherwise——CD-ROM, diskettes, etc.)
- a *full-text* database containing the complete text of all current ERIC Digests (more than 1,000)
- a fast, accurate, and dependable source of usable and practical information for the educational community, including teachers, administrators, counselors, policymakers, and parents

How to Access the EDO file:

DIALOG (Online)

(EDO is also available on DIALOG OnDisc ERIC.)

- Call DIALOG at 1–800/3–DIALOG for a subscription.
- Dial in using a local Dialnet number (Sprintnet and Tymnet can also be used).
- On Dialnet, wait 2–3 seconds and hit "a." The system says "enter service," and the user enters "dialog." After that, the system requests "please logon," upon which the user responds with an assigned user id <return>, followed by a personalized password <return>.
- Enter the ERIC database, via "B 1" or "B Menus" (b = begin).
- Under "B 1" (the DIALOG Command Search mode), the user may access the EDO file directly by keying "S DT=073." That may be combined with a subject/author/institution/etc. search to reduce the overall number of hits (DIALOG permits Boolean searching and searching by individual data fields). "Logoff" is used to exit the system.
- Under "B Menus" (the DIALOG Menus program), the user is led through the following selection sequence:

  Select #19, "Social Sciences & Humanities," from DIALOG's main menu.
  Select #4, "Education."
  Select #3, "ERIC."
  Select #1, #2, or #3 (1=subject search; 2=author search; 3=journal search).
  Select #1: "Modify Your Search."
  Select #4: "Select Limits."
  Select #5: "Limit to Fulltext ERIC Digests."

  The user may then type or print the resultant hits, further modify the search strategy, request online help, return to the main menu (first select statement above), or "Logoff."

Continue on Other Side

GTE Educational Systems (Online)

- Call GTE-ES at 1–800/927–3000 for a subscription.
- Dial in using a local Sprintnet number. When "@" appears, type "mail." The system then asks for user name and password.
- The login screen says "Welcome to the OERI Institutional Network (INET)," followed by a menu. EDO is accessed with selection #4, "Databases."
- Next, select *either* item #2, "Reference/Research Databases," or item #8, "ERIC Databases."
- Select "ERIC Digests Online (EDO)" (item #3 from the "reference/research databases" menu or item #2 from the "ERIC Databases" menu).
- Once in the EDO file, the user can select a *help* screen or go directly to the "Database Search" option.
- There is no field searching in the system, only full-text. Users search by key words using Boolean logic. Multiword terms such as "hearing impaired" are searched within three words of each other, regardless of word order. Truncation (wildcard) searching is available.
- When a given search has been completed, an index is displayed listing all the digests meeting the search requirements. Users then select one or more records to view. Records can be downloaded to a printer, floppy disk, or a hard drive using the commands of the specific communications software package one is using. The system does not permit users to save their search strategies.
- After searching is complete, the system may be exited by hitting <return> to return to the options menu, then typing "bye" to logoff.

NovaNET System (Online)

(Univ. of Illinois at Urbana-Champaign, Computer-based Education Research Laboratory (CERL))

- Access to the "Digests" file is obtained by purchasing an emulation disk (Portal) and subscribing to NovaNET services.
- Further information on accessing NovaNET can be obtained by calling 217/244–4300, or by writing to: CERL, 252 Engineering Research Laboratory, 103 South Mathews Ave., Urbana, IL 61801, ATTN: Dial-up.

SilverPlatter Information Inc. (CD-ROM)

- Full-text digests are accessible via the "document type" or "document type number" fields, e.g., "digests in dt," "73 in dtn," or "dtn=73." Call SilverPlatter at 617/769-2599 or 1–800/343–0064 for a subscription.

Query (Diskette Package)

- Available from LMP Associates, Inc., Chevy Chase, MD. Call 1–800/243–1515, ext. L21. Search software for interrogating the data is included.
- Query runs on all IBM PCs and compatibles. The search program requires less than 200K of hard-disk storage space. The complete database requires 4M of hard disk storage. Available only on high-density diskettes.
- Demonstration diskettes are available.

Internet

- Full-text ERIC Digests are available on the Internet via several service providers, with new sources being announced virtually on a monthly basis. These providers frequently offer dial-in search and retrieval access, in addition to Internet service.
- For information about ERIC on the Internet, contact:

AskERIC
Internet: askeric@ericir.syr.edu

(or)

ERIC Clearinghouse on Information Resources, Syracuse University
Tel.: 315/443–3640 800: 800/464–9107 FAX: 315/443–5448

For more information about EDO, including lists of ERIC Digests arranged alphabetically and by Clearinghouse (ERIC Ready References #10a and #10b, respectively), contact:

ERIC Processing and Reference Facility
1301 Piccard Drive, Suite 300, Rockville, MD 20850–4305
Tel.: 301/258–5500 800: 800/799–3742 FAX: 301/948–3695 Internet: ericfac@inet.ed.gov

ERIC® USERS' INTERCHANGE

Fall 1994

SPECIAL INTEREST NEWS FOR *INTERCHANGE* READERS

AskERIC Electronic Service Plans For the Future

Representatives of the AskERIC project (ERIC's online information service) gathered in June at the ERIC Clearinghouse on Information & Technology (ERIC/IR) in Syracuse, New York, to chart some new directions for the immediate future. AskERIC—just two years old—has enjoyed tremendous success on the Internet, the existing framework of the nation's emerging "Information Infrastructure." Via the Internet and commercial online services, AskERIC provides free information on education and schooling to more than 25,000 people each month. In April, the Smithsonian Institution honored AskERIC by including it among a handful of finalists for the prestigious *Computerworld* Smithsonian Awards in the Education and Academia category.

The Syracuse summit addressed how AskERIC will meet anticipated growth in user demand as increasing numbers of schools and homes connect to the Internet. A popular feature of AskERIC is its question-answering (Q&A) service. Teachers, parents, administrators—anyone interested in education—can e-mail a question to **askeric@ericir.syr.edu** and receive a response from a network specialist within a couple of days.

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Attachments: An Introduction to Internet Resources for K–12 Educators (ERIC/IR Digest)
Part I: Information Resources
Part II: Question Answering, Listservs Discussion Groups

☞ERIC/SE and ERIC/TM Get Toll-Free Numbers!

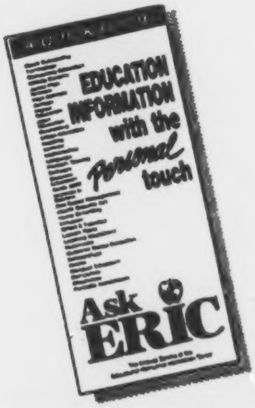
ERIC is pleased to announce that the ERIC Clearinghouses on Science, Mathematics, and Environmental Education (ERIC/SE) and Assessment and Evaluation (ERIC/TM) now offer toll-free telephone numbers. You can reach ERIC/SE at 1–800–276–0462 and ERIC/TM at 1–800–464–3742. Now you can call all the ERIC Clearinghouses and support components toll free from the continental United States (and Canada, in some cases). For a complete list, call ACCESS ERIC at 1–800–LET–ERIC.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RR92024001 for the Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 1600 Research Boulevard, 3C, Rockville, MD 20850–3172, 1–800–LET–ERIC (538–3742).

(continued from page 1)

About 250,000 teachers are currently connected to the Internet, and the AskERIC Q&A service fields questions from about 350 individuals each week. But with more than 10 times this number of teachers expected to be wired to the Net in the near future, volume may soon exceed 3,000 questions per week.

Thousands of AskERIC users are discovering and returning often to AskERIC's other popular feature, its "virtual library"—an extensive electronic collection of resources and full-text documents. Virtual library users can browse and download from a collection that includes more than 600 lesson plans, the latest material on Goals 2000, and more than 60 InfoGuides that lead users to listservs, publications, and Internet resources on such topics as chemistry for kids, childrens' literature, and multicultural education.



According to Mike Eisenberg, director of ERIC/IR and a professor at the Syracuse University School of Information Studies, "The success of AskERIC has demonstrated that ERIC is a leader in providing information about schooling and education to the nation. Part of the reason for AskERIC's success is that we are eager to work with everyone. AskERIC has relationships with state and regional electronic networks, commercial networks, public broadcasting systems, and a host of other producers and consumers of education information. It has demonstrated the capacity to run an efficient and responsive information system in a field that is experiencing a lot of change in both education and information delivery. We are in touch with teachers all over the country, and are now receiving international requests as well."

Robert Stonehill, Director of the ERIC Program at the Department of Education, credits AskERIC for breaking down some of the communication barriers among the federal government, universities, and public schools. "The AskERIC service provides anyone interested in education with immediate access to a wealth of information that's as close as their personal computer. We've cultivated a dedicated clientele among teachers, administrators, and parents, and now they have even greater expectations for us."

Among the new initiatives planned at the summit are:

- increasing the number of full-text documents dramatically, as the ERIC system begins to digitize as well as microfiche documents for the ERIC database;
- enhancing the Q&A feature by using electronic referral to network specialists at the 16 ERIC Clearinghouses and various Adjunct ERIC Clearinghouses;
- offering—for the first time free to everyone on the Internet—a flexible, powerful, and user-friendly system to search the 850,000-record ERIC database; and
- moving AskERIC into the multimedia and hypermedia age, with such applications as MOSAIC, Gopher 3-D, and CU-See Me, which will allow individual users to interact with AskERIC in a virtual face-to-face encounter through their computers.

The U.S. Department of Education has funded AskERIC's initial prototype, early expansion, and continuing research and development. Eisenberg stressed the fact that ERIC wants to continue providing information free to the public and is looking to diversify funding support in order to upgrade services and meet the increasing user demand. He cautioned, however, that the eventual demand will require secure commitments at adequate levels. "Somebody is going to provide this service, and we KNOW it should be ERIC. Education is a public good, and cost should not get in the way when it comes to information about schooling."

(continued on page 3)

(continued from page 2)

There are several ways to access the AskERIC virtual library:

☞ If you have Gopher or FTP, connect to ericir.syr.edu

or

☞ If you have MOSAIC, Lynx, or another World-Wide Web (WWW) client, open the URL and connect to: http://eryx.syr.edu

or

☞ Telnet to: ericir.syr.edu and type "gopher" at the "login:" prompt.

If you need help, e-mail askeric@ericir.syr.edu.

ERIC User Day

ACCESS ERIC and the ERIC Clearinghouse on Reading, English, and Communication (ERIC/CS) are working together to conduct ERIC User Day at the International Reading Association (IRA) Annual Convention to be held in Anaheim, California, April 30 to May 5, 1995. ERIC User Day is designed to bring together ERIC users and ERIC Clearinghouse/support component staff for information sharing and training. The last ERIC User Day was held in October 1992 at the American Association of School Librarians Conference in Baltimore, Maryland.

IRA has agreed to let ERIC host User Day on Tuesday, May 2, 1995, in the Hilton Hotel Pacific D Ballroom. A workshop will last from 9:00 a.m. through 11:30 a.m. and will include a presentation on performance assessment by Roger Farr, Associate Director, ERIC/CS, and a presentation on teaching values through literature by Carl Smith, Director, ERIC/CS. In addition, various ERIC components, including ACCESS ERIC, ERIC/CS, the ERIC Clearinghouse on Community Colleges, and the ERIC Document Reproduction Service (EDRS), plan to conduct poster sessions on general ERIC products and services. Look for more information about User Day in the Spring 1995 issue of *Interchange*.

ACCESS ERIC Distributes FREE Brochures

ACCESS ERIC announces the availability of four new brochures for parents. The following brochures are available **free** while supplies last and may be freely reproduced and distributed:

What Does School Reform Mean to My Neighborhood School?—Written by Stephen Stolp of the ERIC Clearinghouse on Educational Management, this brochure describes school reform and provides parents with ideas on how to learn more about local school reform and get more involved in the school reform process.

How Can I Be Involved in My Child's Education?—Written by Lynn Liontos for the ERIC Clearinghouse on Educational Management, this brochure suggests activities that parents, including those who work full-time outside of the home, can do at home and school to participate actively in their child's education.

How To Choose a Community College—Written by Jan Ignash of the ERIC Clearinghouse for Community Colleges, this brochure presents the benefits of attending a community college and describes the steps to take in choosing a community college.

Rights and Responsibilities of Parents of Children With Disabilities—Written by staff of the ERIC Clearinghouse on Disabilities and Gifted Education, this brochure explains the educational rights of parents of children with disabilities, as mandated by Public Law 101–476 (IDEA). It also introduces ways to ensure that your child's rights are being protected and ways you can contribute to the Individualized Education Program (IEP) or Individualized Family Service Plan (IFSP) process.

The brochures are organized in a question-and-answer format and are based on recent research. Each one provides a list of organizations to contact for additional information. To order, call 1–800–LET–ERIC (538–3742), write to: ACCESS ERIC, 1600 Research Boulevard, Rockville, MD 20850–3172, or e-mail us at acceric@inet.ed.gov.

Call 1–800–LET–ERIC

ERIC Information Online Update

ERIC Information Online Update provides you with highlights of current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.). This edition highlights Internet services.

The National Parent Information Network

The ERIC Clearinghouse on Elementary and Early Childhood Education (ERIC/PS) at the University of Illinois at Urbana-Champaign has received a major equipment grant from Apple Computer, Inc., to create a World-Wide Web (WWW) server on the Internet specifically devoted to child development and the care, education, and parenting of children from birth through early adolescence.

ERIC/PS will use the server as a new home for the National Parent Information Network (NPIN), a national resource for parents and those who support them. Currently, NPIN is located on Prairienet (the East Central Illinois Free-net), where programmers have begun the development of a MOSAIC interface to NPIN. (To try NPIN at its current location, telnet to prairienet.org or gopher to gopher.prairienet.org, or, to try out the MOSAIC interface, URL:http://www.prairienet.org/htmls/eric/npin/npinhome.html.)

"Parents have fewer family members close by these days to ask for advice on finding a preschool, working with their child's teachers, or helping their shy child make friends," says Professor Lilian Katz, director of ERIC/PS and a long-time contributor to *Parents* magazine. "They need high quality information from reliable sources, and sometimes they need subject experts to talk to. Many parents would like to use the 'information superhighway' to find such information, and NPIN will help them do that."

NPIN also will add a significant piece to the information infrastructure for those who work with parents and families—in schools and libraries, parent centers, after-school programs, social service agencies, health clinics, parenting programs and professional groups. "The National Urban League, the National PTA, the Center for Early Adolescence, and other organizations are already contributors to NPIN," said Larry Yates of the ERIC Clearinghouse on Urban Education at Teachers College, Columbia University, which is a partner with ERIC/PS in building NPIN. "We are working with organizations and low-income parents and minority groups to encourage them to become full participants in electronic networking. NPIN offers parents and those who work with them a family-friendly environment for finding information they can use in their daily lives."

The Apple Equipment Grant also will be used to support other activities on the Internet pertaining to young children. In addition to discussion groups and forums on topics of interest to early childhood educators, parents, and policymakers, and PARENTS AskERIC—a question-answering service that taps the resources of ERIC to respond to parents' questions—other collections of information specifically related to the development, care, and education of children from birth through eight years of age are planned. For more information, contact ERIC/PS at 1-800-583-4135; e-mail: ericeece@ux1.cso.uiuc.edu.

Finding the ERIC Database on the Net

Finding and accessing the ERIC database on the Internet is not always as easy as following the instructions on the most recent *Internet Access Points to ERIC* Networker. The locations offering access to outsiders and the instructions for accessing these locations change often. The ERIC Clearinghouse on Assessment and Evaluation (ERIC/TM) now offers a "Search ERIC" pointer on its Internet Gopher site that automatically leads users to several locations on the Internet that currently offer access to the ERIC database. To access this pointer, **Gopher to gopher.cua.edu and choose "Special Resources."**

If you have questions about the ERIC/TM Gopher site, contact: ERIC/TM, The Catholic University of America, 210 O'Boyle Hall, Washington, DC 20064; toll-free: 1-800-464-3742; phone: 202-319-5120; e-mail: eric_ae@cua.edu.

VENDOR NEWS

DIALOG:

Copyright Citation

In May 1994, DIALOG began to include the following notice just above each ERIC citation resulting from a DIALOG search: "Copyright Format Only/1994 Dialog Info. Svcs./All Rts. Reserv.".

ERIC reacted with concern that this "format only" copyright notice will leave users with the impression that they can only copy ERIC citations if they pay DIALOG and, as a result, will inhibit users from the free and easy duplication of ERIC search results for educational applications.

In response to these concerns, DIALOG will include a notice in its terms and conditions booklet under the entry for ERIC that will also be used online when users seek HELP for ERIC's terms and conditions, and that ERIC can distribute widely among users. This notice is as follows:

> "ERIC is a Federal Government database sponsored by the U.S. Department of Education and in the public domain. ERIC encourages the widespread dissemination and use of its bibliographic data, particularly for educational purposes. The ERIC database is not copyrighted by the Government and there are no special terms or conditions restricting ERIC's use. Users who have obtained ERIC bibliographic data via computer searches may without restriction reproduce additional photocopies of such ERIC citations/abstracts."

Pricing Structure

DIALOG announced a new price structure in its July/August 1994 *Chronolog* (p. 94:212). Although DIALOG has lowered the hourly connect costs—for ERIC the cost is now $30 instead of $36—as of August 1, the company began charging a $1 view fee for EVERY type, print, or display command. This is in addition to the format fee charged for each hit. If you search online and type your results as you go in order to refine your searches, each "type" now costs $1. The $6 deduction in connect time could potentially be exceeded by this new fee.

To find out more about DIALOG's copyright citation or pricing structure, contact: DIALOG, 3460 Hillview Avenue, Palo Alto, CA, 94304–1396; toll-free: 1–800–3–DIALOG; phone: 415–858–3785; fax: 415–858–7069.

EBSCO:

EBSCO recently announced two enhancements to its ERIC disc: (1) "Local titles" or the ability to flag those ERIC titles the subscribing agency has in its local collection; (2) Selective Dissemination of Information (SDI), i.e., providing users with information about specific titles that fit their interest profiles. For more information, contact: EBSCO, P.O. Box 1943, Peabody, MA, 01960–7520; toll-free: 1–800–653–2726; phone: 508–535–8500; fax: 508–535–8545.

NEW ERIC PUBLICATIONS AND PRODUCTS

From the ERIC Clearinghouse on Disabilities and Gifted Education (ERIC/EC)

☞ *Organization, Instructional, and Curricular Strategies to Support the Implementation of Unified, Coordinated, and Inclusive Schools.* Judy A. Schrag. Order No. R5044, $18.

This book provides program strategies, classroom grouping schemes, and teaching methods and procedures to support the inclusion of students with disabilities. A description of each strategy includes its definition, major research findings, and a discussion of the quality of research on the strategy.

☞ *How to Find Answers to Your Special Education Questions.* (2nd ed.) Lynn Smarte and Kathleen McLane. Order No. R673R, $10.

This guide shows how to frame a question and suggests a variety of information sources that may contain its answer. It provides a procedure for searching the ERIC database and includes a list of associations and journals, as well as order forms for obtaining ERIC materials.

Contact ERIC/EC, The Council for Exceptional Children, Publication Sales, 1920 Association Drive, Reston, VA 22091; toll-free: 1–800–328–0272; phone: 703–264–9467; fax: 703–264–9494; e-mail: ericec@inet.ed.gov.

From the ERIC Clearinghouse on Information and Technology (ERIC/IR)

☞ *An Educator's Guide to Electronic Networking: Creating Virtual Communities.* Barbara Kurshan and Marcia Harrington, revised and updated by Peter Milbury. Order No. IR–96. $10 plus $2 shipping (ISBN: 0–937597–37–6)

This guide offers network novices an introduction to the Internet and the benefits of network resources, and includes a comparison of 28 commercial and non-commercial service providers and an extensive glossary of more than 200 common networking terms.

☞ *Information Literacy in an Information Society: A Concept for the Information Age.* Order No. IR–97. $8 plus $2 shipping (ISBN: 0–937597–38–4)

This book discusses the change in American society from an industrial economy to an economy based in services and information. It encourages educators to prepare students for success in the new working environment by teaching them to access, evaluate, and use information from a variety of sources.

To order these publications, contact: Janet LaFrance, Database Secretary, ERIC/IR, 4–194 Center for Science and Technology, Syracuse University, Syracuse, New York 13244–4100; toll-free: 1–800–464–9107; phone: 315–443–3640; fax: 315–443–5448; e-mail: janet@ericir.syr.edu.

From the ERIC Clearinghouse on Teaching and Teacher Education (ERIC/SP)

☞ ERIC INFO Cards—Free (up to 25 of each title)

1. International Teaching Opportunities
2. Alternative Routes to Teacher Certification
3. Financial Aid for Teacher Education Students
4. Specialized Interests in Teaching
5. Choosing a Teacher Education College/University
6. Finding a Teaching Position

Each colorful card contains an overview of the topic and a list of resources. Order as sets or individual titles.

☞ *Performance Evaluation for Experienced Teachers: An Overview of State Policies.* Eileen M. Sclan. $14.50 prepaid

This new Trends & Issues paper discusses the dominant "behavioristic" and the emerging "holistic" approaches to evaluation policies. It contains a 50-state comparison of policies and practices.

Contact ERIC/SP, AACTE, One Dupont Circle, NW, Suite 610, Washington, DC 20036–1186; toll-free: 1–800–822–9229; phone: 202–293–2450; fax: 202–457–8095; e-mail: ericsp@inet.ed.gov.

From the ERIC Clearinghouse on Urban Education (ERIC/UD)

☞ *Focus Schools: A Genre to Consider.* Mary Anne Raywid. Order No. UDS 106. $10

☞ *The Unfulfilled Mission of Title 1/Chapter 1 Programs.* Gary Burnett, Erwin Flaxman, and Carol Ascher. Order No. UDS 105. $10

☞ Digests:

93. Teacher Collaboration in Urban Secondary Schools
94. Beyond Culture: Communicating with Asian American Children and Families
95. Technology as a Tool for Urban Classrooms.
96. Urban Teachers and Collaborative School-Linked Services.
97. Anti-Bias and Conflict Resolution Curricula: Theory and Practice.
98. Varieties of Multicultural Education.
99. Gangs in the Schools.

Contact ERIC/UD, Teachers College, Columbia University, Main Hall, Room 303, Box 40, 525 West 120th Street, New York, NY 10027–9998; toll-free: 1–800–601–4868; phone: 212–678–3433; fax: 212–678–4048; e-mail: eric-cue@columbia.edu.

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Editor . . . . Belinda J. Taheri

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Call 1–800–LET–ERIC

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Fax: (315) 443-5448 • Internet: eric@ericir.syr.edu

ERIC DIGEST

May 1994

EDO-IR-94-3

An Introduction to Internet Resources for K-12 Educators
Part I: Information Resources

by Nancy A. Morgan

The Internet is an international computer network consisting of thousands of smaller interconnected computer networks. In the field of education, colleges and universities have been connected to the Internet for several years. Recently, state and regional education networks for the K-12 community have been springing up all over the United States, making the vast resources of the Internet readily available to classroom teachers. This digest outlines some of the rich resources that are available without cost to K-12 educators over the Internet computer network.

Readers should be aware that the Internet is an ever changing entity, and that the resources and their Internet addresses below are subject to change.

Guides to Internet Resources:

Clearinghouse of Subject-Oriented Internet Resource Guides: A large collection of guides to Internet resources categorized by topic.

✎ Address: gopher una.hh.lib.umich.edu

Lesson Plans:

The AskERIC Virtual Library contains hundreds of lesson plans, including, but not limited to, language arts, mathematics, social studies, and science. Also included are the electronic versions of CNN Newsroom Classroom Guides and Discovery Education Online.

✎ Address: gopher ericir.syr.edu, or telnet ericir.syr.edu, login as gopher.

Keypals and Penpals:

Students can learn about other cultures, geographic regions, and current events from their peers by corresponding with them by electronic mail. For instance, students studying a foreign language can correspond directly with students from another country over the Internet, practicing their written and reading language skills, while obtaining information about the culture and everyday lives directly from their peers in the other country.

- The Oklahoma Geological Survey Observatory gopher has a large collection of messages from K-12 students looking for keypals
  ✎ Address: gopher wealaka.okgeosurvey1.gov

IECC - Intercultural Email Classroom Connections maintains three listservs that serve to facilitate international and cross-cultural classroom exchanges via email over the Internet.

1. IECC@STOLAF.EDU: is a listserv which serves as a "meeting place" for classroom partners to connect for international and cross-cultural exchange. It is not intended for individuals seeking penpals.
   To subscribe: send a message containing the word "subscribe" to iecc-request@stolaf.edu
2. IECC-PROJECTS@STOLAF.EDU: is a listserv where people may announce projects or request help with projects that involve international or cross-cultural email exchanges.
   To subscribe: send a message containing the word "subscribe" to iecc-projects-request@stolaf.edu
3. IECC-DISCUSSION@STOLAF.EDU: is a listserv for general discussion of questions, issues, and observations of the Intercultural Email Classroom Exchange.
   To subscribe: send a message containing the word "subscribe" to iecc-discussion-request@stolaf.edu

Acceptable Use Policies:

Appropriate use of the Internet by teachers and students is a concern of many educators. Conduct on the part of the user, such as the use of abusive language or profanity, respect for copyright and licensing agreements, or the use of the network by minors for the purpose of obtaining pornagraphy, for example, may not be considered acceptable use of the Internet.

Samples of agreements and policies outlining the responsibilities and privileges of users have been collected at Armadillo: The Texas Studies Gopher.

✎ Address: gopher riceinfo.rice.edu 1170

Technology Plans for K-12 Schools:

The National Center for Technology Planning collects technology plans submitted by schools and makes them freely available over the Internet. Other documents that are available include planning aids such as checklists, planning forms, and electronic monographs.

✎ Address: gopher ra.msstate.edu or ftp ra.msstate.edu
The directory is /pub/archives/nctp.

Internet Projects for the Classroom:

A question that many teachers have is: How can use of the Internet be incorporated in the classroom? Examples of telecommunication projects can be found on the:

- CICNet K-12 Gopher: This gopher has a collection of classroom projects that incorporate use of the Internet into the classroom.
  ✎ Address: gopher gopher.cic.net 3005
- Umass K-12 Gopher: Several telecommunication projects are listed, including guidelines from the Global SchoolNet to help teachers plan a successful project.
  ✎ Address: gopher k12.ucs.umass.edu

Grant Information:

U.S. Department of Education: A Teacher's Guide to the U.S. Department of Education, found on the U.S. Department of Education gopher, describes programs, services, and publications, including educational grants provided by the U.S. Department of Education. This guide briefly describes the grant programs that are relevant to teachers and the offices that manage them. It also lists telephone numbers you can call with specific questions in these areas.

✎ Address: gopher gopher.ed.gov

Government Information:

The number of Internet sites that provide federal government documents and resources is continually increasing. Two examples are:

- Library of Congress Marvel: Includes Congressional, White House, and State Department information and documents and more.
  ✎ Address: gopher marvel.loc.gov
- Internet Wiretap: White House Press Releases (updated daily), laws, treaties, and other assorted legal and historical documents.
  ✎ Address: gopher wiretap.spies.com

State Education Departments:

This is a partial list of Internet sites run by state departments of education:

- Michigan Department of Education: Provides direct access to several K-12 gophers, State Board of Education approved curriculum goals and objectives, and links to several free-nets.
  ✎ Address: gopher.mde.state.mi.us
- California Department of Education: Provides up to date information, including selective legislative and California State Board of Education information, education conferences, a technology planning guide for California schools, and the Bilingual Education Network (BiEN).
  ✎ Address: gopher goldmine.cde.ca.gov
- New York State Education Department: Provides up to date Internet and telecommunication news that is of interest to the K-12 community.
  ✎ Address: gopher unix5.nysed.gov

Electronic Books:

Project Gutenberg: Classic, religious and children's books, poetry, and historical documents in full text.
✎ Address:
By gopher: gopher joeboy.micro.umn.edu
By ftp: ftp deneva.sdd.trw.com (then cd pub/etext)
username: anonymous
password: (your Internet address)

Reference Resources:

Florida Tech Education Gopher: Access to a nice collection of reference sources including the American English Dictionary, Roget's Thesaurus, the U.S. Zip Code Directory, telephone area code directories for the United States and foreign countries, and 1990 U.S. Census Information. Also included is the CIA World Fact Book, which contains geographic, climatic, economic, and political information about every country and territory in the world.
✎ Address: gopher sci-ed.fit.edu 70

Library Catalogs:

Yale University provides easy access to worldwide library catalogs. Users can browse through a geographic listing, or search by institution, library name or city. Helpful instructions, organized by catalog vendor, are also provided.
✎ Address: gopher yaleinfo.yale.edu 7000

Library of Congress Information System: Provides access, not only to the holdings of the Library of Congress, but also to U.S. government copyright files, federal legislation, and foreign law.
✎ Address: telnet locis.loc.gov

World Wide Web Sites:

The World Wide Web (WWW) provides access to Internet documents in hypertext and multimedia by using advanced WWW clients such as NCSA's Mosaic. Some WWW sites with information especially useful for educators are:

- AskERIC Virtual Library
  ✎ Address: HTTP://eryx.syr.edu
- U.S. Department of Education
  ✎ Address: HTTP://www.ed.gov
- TERC Science and Math Education
  ✎ Address: HTTP://hub.terc.edu

Other Resources:

Hundreds of resources covering almost every subject imaginable exist on the Internet. Here are some additional ones that would be of special interest to K-12 educators:

- Consortium for School Networking (CoSN): Provides access to information about several education projects on the Internet and Internet training materials.
  ✎ Address: gopher cosn.org 70
  telnet cosn.org login: gopher (no password)
- Empire State Schoolhouse: Specially designed for the novice user, the Empire State Schoolhouse provides many resources of interest to the K-12 educator. Reference resources, Internet projects, and information on school reform and technology planning are some of the resources that are available.
  ✎ Address: gopher nysernet.org 70
  login: empire (no password)
- ERIC Clearinghouse on Assessment and Evaluation: Information on assessment for all levels of education. Also provides several access points to the ERIC database.
  ✎ Address: gopher vmsgopher.cua.edu
- ERIC Clearinghouse for Science, Mathematics and Environmental Education: Information for math and science educators.
  ✎ Address: gopher gopher.ericse.ohio-state.edu
- NASA Spacelink: Information about NASA, including the space shuttle program, science curriculum activities.
  ✎ Address: telnet spacelink.msfc.nasa.gov
  login: newuser password: newuser
- Ohio Education Computer Network: This gopher is designed for use by K-12 students.
  ✎ Address: gopher nwoca.7.nwoca.ohio.gov

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ERIC DIGEST

May 1994

EDO-IR-94-4

An Introduction to Internet Resources for K-12 Educators
Part II: Question Answering, Listservs, Discussion Groups

by Nancy A. Morgan

The Internet is an international computer network consisting of thousands of smaller interconnected computer networks. As K-12 schools connect to the Internet, a new and different means of communication opens up to educators and their students. This digest describes some sample services and resources that are available to the K-12 community by electronic mail over the Internet.

Question Answering:

The number of information services that use electronic mail to deliver information is increasing. Services that teachers will find on the Internet include:

AskERIC: AskERIC is a human mediated question answering service for teachers, library media specialists, administrators, and others involved in education. A project of the ERIC Clearinghouse on Information & Technology at Syracuse University, AskERIC uses the vast resources of the ERIC system and the Internet to answer questions sent by electronic mail. Questioners receive an electronic mail response at no cost within 48 hours. Typical responses include citations from ERIC database searches, full text ERIC Digests, and Internet resources such as listservs and addresses for gopher sites. (Frequently asked questions (FAQs) and other resources developed from questions received at AskERIC are archived at the AskERIC Virtual Library which can be accessed by gophering to askeric@ericir.syr.edu)

✎ Address for electronic mail questions:
askeric@ericir.syr.edu

Ask a Young Scientist: A question answering service for elementary students on scientific topics. Questions are researched and answered by advanced chemistry students. Students are asked to limit their questions to five per message, but are encouraged to post as many questions as they wish.

✎ Address: apscichs@radford.vak12ed.edu

Ask Prof. Math: Answers questions on mathematical content or pedagogy from K-8 students and teachers. (Archives of the questions and responses can be found via anonymous ftp to acs.sbu.edu in the pub/prof.math subdirectory.)

✎ Address: maths@sbu.edu

Online Writing Lab (OWL): Purdue University Writing Lab provides help on correct English usage and writing. Information on how to get free copies of help sheets on topics ranging from resume writing to proper punctuation can be obtained by sending a message to:

✎ Address:owl@sage.cc.purdue.edu
Subject: owl-request.
Message: Send help.

Tutors will also answer a question by email. Send the question to:

✎ Address: owl@sage.cc.purdue.edu

Listservs:

Listservs are automated programs that serve as distribution centers for mail messages. Listservs usually focus on a single topic that may be very broad or extremely narrow. People join a listserv by subscribing, and actively participate by sending messages to the listserv, or by simply reading them.

To subscribe, send a message to:
listserv@*node*
Leave the subject line blank.
In the body of the message, write:
subscribe *listservname firstname lastname*

For example, to subscribe to LM_NET:

Address the message to:
listserv@suvm.syr.edu
Message:
subscribe LM_NET Nancy Morgan

Below are listservs of special interest to K-12 educators:

✍ **NET-HAPPENINGS@is.internic.net**
Internet related news and announcements

✍ **CHILDLIT@rutvm1.rutgers.edu**
Children's literature

✍ **LM_NET@suvm.syr.edu**
School Library/media services

✍ **SUPERK12@suvm.syr.edu**
Supercomputing implementation and utilization in the K-12 environment

✍ **K12ADMIN@suvm.syr.edu**
K-12 educational administration

✍ **MIDDLE-L@vmd.cso.uiuc.edu**
Middle school education

✍ **EDNET@nic.umass.edu**
Internet use in education

✍ **EDTECH@msu.bitnet**
Educational technology

✍ **EDPOLYAN@asuvm.inre.asu.edu**
Education policy

✍ **KIDSPHERE-request@vms.cis.pitt.edu**
Global network (formerly Kidsnet) for K-12 children & teachers

✍ **KIDLINK@vm1.nodak.edu**
Kidlink Society runs several listservs in support of a global dialog for 10-15 year old students. Subscribe to KIDLINK listserv to receive information about the other lists.

✍ **ECENET-L@vmd.cso.uiuc.edu**
Early childhood education

✍ **TESLK-12@cunyvm.cuny.edu**
Teachers of English as a second or foreign language to children

✍ **ICN-REQUEST@ctrvax.vanderbilt.edu**
International Counselor Network (ICN): counselors or counselor educators

✍ **BIOPI-L@ksuvm.bitnet**
Secondary education relating to biology

✍ **NEWEDU-L@uscvm.bitnet**
New and improved methods of education

✍ **TAG-L@avml.nodak.edu**
Talented and gifted students

✍ **MUSIC-ED@uminn1.bitnet**
Music education

Usenet Newsgroups:

Usenet Newsgroups are an electronic bulletin board system, accessible via the Internet, that consists of discussion forums on literally thousands of topics. Users should contact their system operator for instructions. (Student access should be monitored. Many newsgroup topics are not suitable for minors.)

Some of the Usenet Newsgroups are:

➡ **k12.chat.elementary**
General discussion for Elementary Students

➡ **k12.chat.junior**
General discussion for Junior High Students

➡ **k12.chat.senior**
General discussion for Senior High Students

➡ **k12.chat.teacher**
General discussion between K-12 Teachers

➡ **k12.ed.art**
Arts and Crafts Education

➡ **k12.ed.business**
Business Education

➡ **k12.ed.life-skills**
Life Skills Education

➡ **k12.ed.math**
Mathematics Education

➡ **k12.ed.music**
Music and Performing Arts

➡ **k12.ed.science**
Science Education

➡ **k12.ed.soc-studies**
Social Studies Education

➡ **k12.ed.tag**
Talented and Gifted Education

➡ **k12.ed.tech**
Technology Education

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ACCESS ERIC did not produce any issues of ERIC Users' Interchange in Spring 1995 or Fall 1995 as we were in transition completing one contract cycle and starting another.

ERIC® USERS' INTERCHANGE

Spring 1996

SPECIAL INTEREST NEWS FOR *INTERCHANGE* READERS

EDRS Soon To Offer Enhanced Document Delivery Options

Ever need an ERIC document right away? Waiting for order fulfillment and shipping has long had many ERIC users wishing for alternatives, especially the option to obtain documents electronically—online or via fax-back service. The ERIC Document Reproduction Service (EDRS) is pleased to announce that the wait for ERIC documents in electronic format is almost over. In December 1995, the Department of Education awarded a new EDRS contract to the incumbent, DynCorp Information & Engineering Technology (EDRS was formerly a part of CBIS Federal). The contract calls for continuing all existing services, including delivery of ERIC microfiche collections and on-demand documents in microfiche and paper copy, and includes requirements for capturing, storing, and disseminating ERIC documents electronically.

To meet the challenges of the new contract, EDRS is expanding office space at its Springfield, Virginia, site and installing the high-tech equipment that will soon revolutionize ERIC document delivery: large-scale microfiche scanners, document fax-back systems, file servers, and high-capacity optical jukeboxes.

New documents will be scanned, as well as filmed, and stored in a digital archive for electronic access and delivery. Specific benefits of this new ERIC "technology revolution" include:

- Document scanning from microfiche to digital image for all documents beginning with the January 1996 issue of *Resources in Education*.

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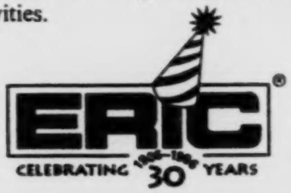
ERIC Celebrates 30 Years!

1996 is a landmark year for ERIC—it's our 30th Anniversary! We have designed an anniversary logo to kick off the festivities.



Look for it throughout the year on many of the products we distribute. In addition, look for our anniversary issue of *The ERIC Review*, our free journal, in Fall 1996. It will highlight ERIC's growth since 1966 and our future plans.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 1600 Research Boulevard, 5F, Rockville, MD 20850-3172, 1-800-LET-ERIC (538-3742).

(continued from page 1)

- New document delivery options, including online dissemination and document fax-back.
- New ERIC information products, including topical document collections on CD-ROM.
- Improved paper copy quality and faster turnaround for paper copy orders (from 5+ days from date of order to order receipt, to next-day-or-sooner service for documents resident in the ERIC digital archive).
- Full online access to EDRS through World Wide Web (WWW), Gopher, and e-mail, with seamless access to the ERIC database hosted by the ERIC Clearinghouse on Information & Technology's AskERIC site.

The EDRS WWW and Gopher sites are already operational, and allow users to search the ERIC database (by linking to AskERIC), order ERIC documents online, and access topical bibliographies and other information of interest. The EDRS WWW site provides links to all other ERIC WWW and Gopher sites and INet, the Department of Education's Internet site. Online addresses for EDRS are:

WWW: http://edrs.com
Gopher: gopher://edrs.com
E-mail: edrs@inet.ed.gov

EDRS plans to offer its online document delivery and document fax-back services in late 1996. The Fall 1996 anniversary issue of *The ERIC Review* will include more information about these services. If you're not already a subscriber, call ACCESS ERIC at 1–800–LET–ERIC.

RIE Semiannual Index Discontinued

Resources in Education (*RIE*), ERIC's monthly abstract journal has published a semiannual index since 1974. This index has been discontinued for budgetary and cost reduction reasons. The last *RIE Semiannual Index* published was the July–December 1994 issue. If user demand is sufficient, The Oryx Press *may* take over the *RIE Semiannual Index* product; however, the availability of low-cost quarterly ERIC CD-ROM products will most likely be a more than adequate substitute for the printed indexes.

EDRS Announces Price Changes

Effective January 1, 1996, prices increased three percent for most ERIC products available through the ERIC Document Reproduction Service (EDRS). The 1996 rates (rounded to the nearest penny) are:

		Rate
Monthly subscriptions (per microfiche)	(diazo)	$ .13
	(silver)	.27
Clearinghouse collection subscriptions (per microfiche)		.29
Back collections (per microfiche)		.16
On-demand microfiche (per title, up to 5 fiche)		1.34
On-demand paper copies (per 25-page increment)		3.97

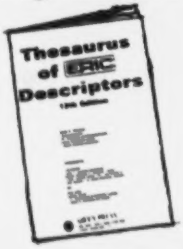
Prices do not include shipping and handling and are subject to change. EDRS has also introduced a flat rate shipping fee schedule for the convenience of domestic on-demand customers (with the rate based on the size of the order). Questions? Call EDRS at 1–800–443–ERIC (3742).

ERIC Annual Report 1996 To Be Released This Summer

Each year ACCESS ERIC produces the *ERIC Annual Report (summarizing the recent accomplishments of the Educational Resources Information Center)* in conjunction with the ERIC Program Office at the Department of Education. The *ERIC Annual Report 1996*, which will be available this summer, will include statistical and narrative ERIC highlights for the 1995 calendar year. Once the report is issued, a complete copy will be available in paper copy and microfiche copy from the ERIC Document Reproduction Service. For more information, call ACCESS ERIC at 1–800–LET–ERIC.

13th Edition of the ERIC Thesaurus Complete

In June 1995 the 13th edition of the *Thesaurus of ERIC Descriptors* was published by The Oryx Press. This edition replaces the 12th edition published in 1990. The new *Thesaurus* represents the work of approximately 30 members of ERIC's Vocabulary Review Group, all dedicated to maintaining a definitive education vocabulary.



The 1995 edition contains 10,363 terms, of which 5,759 are main-entry Descriptors and 4,604 are non-indexable "Use" references (or "dead" terms). New terms not appearing in previous editions include 207 Descriptors and 199 "Use" references. This edition also reflects several hundred Scope Note and cross-reference modifications to existing displays. To order the 1995 *Thesaurus*, which costs $69.50, contact The Oryx Press at 1–800–699–ORYX (6799) or visit its Website at http://www.oryxpress.com.

Reproduction Release Form Gets a Face Lift

The ERIC Reproduction Release form is used by ERIC to obtain permission from authors and document sources to archive and reproduce documents entered into the ERIC database. From 1966 through 1995, ERIC's method of archiving documents was to microfilm them. Beginning in 1996, ERIC will begin scanning documents and creating a digitized image of each page, in addition to microfilming them.

While document microfiche masters are currently used to make document reproductions, electronic records will some day completely replace microfilm as ERIC's archival storage method. To accommodate these reproduction changes, ERIC is updating its Reproduction Release Form to seek permission not only to microfiche, but also to digitize page images. The updated release form is now available and is included as an attachment to this issue of the *Interchange*.

VENDOR NEWS

National Information Services Corporation (NISC)

The ERIC Processing and Reference Facility is pleased to announce a new low-cost method of accessing the ERIC bibliographic database via CD-ROM—the ERIC NISC DISC. This product is offered at an exceptionally low price designed to encourage widespread use of ERIC by individuals and institutions, and puts ERIC within reach of all members of the education community.

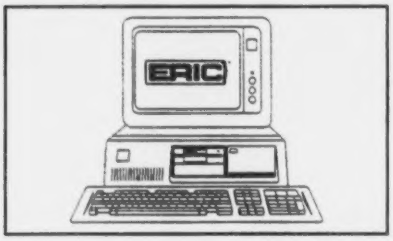
The ERIC Facility has arranged to sell the ERIC discs produced by the National Information Services Company (NISC) at the special low price of $100 for a year's subscription to a current disc (1980–present) with quarterly updates. The NISC DISC includes the new *Thesaurus of ERIC Descriptors* (13th edition) and the full text of more than 1,300 ERIC Digests. An archival disc covers the period 1966–1979 and may be purchased as part of an initial two-disc set, or separately for an additional $25. A Spanish-language user interface is a standard option available on all discs and LAN/WAN use is available at no extra charge. For more information about this product, or to become a subscriber, contact the ERIC Facility at 1–800–799–ERIC; e-mail: ericfac@inet.ed.gov.

The Oryx Press

CIJE On Disc has been redesigned in OmniSearch to be more user-friendly. It includes the entire CIJE portion of the ERIC Database (journal article citations, 1969–present), the *Thesaurus of ERIC Descriptors*, and ERIC Digests Online in Windows format on one disc. Installation is simple; one process installs all three databases at one time and a single icon provides access to all three. Opening screens are clearer and less complicated and graphics are sharper and of higher quality. On-screen help is available at every point of the program.

An Apple MacIntosh version of CIJE On Disc will be available sometime in 1996. For more information, contact The Oryx Press at 1–800–277–ORYX; e-mail: info@oryxpress.com; or http://www.oryxpress.com.

ERIC Information Online Update



ERIC Information Online Update provides you with highlights of current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.). This edition highlights ERIC Internet services, three of which have been recognized by several Internet search engine providers as being in the top 5 percent of all Internet Web sites!

Finding ERIC on the 'Net

ACCESS ERIC is proud to host the ERIC Systemwide Web Pages located at **http://www.aspensys.com/eric/**. This site provides you with up-to-date general information about the ERIC system and points to all of the ERIC components that operate Internet Web and Gopher sites and/or e-mail. Check out this site if you're interested in:

- Searching the ERIC database;
- Tapping the subject expertise of the 27 ERIC components;
- Finding out how to use the ERIC system;
- Receiving publications about the latest ERIC services and products, such as *A Pocket Guide to ERIC*, *All About ERIC*, and *The ERIC Review* (our FREE journal on current education topics); or
- Gaining direct access to the education community's premier electronic services, AskERIC and the National Parent Information Network (NPIN).

This home page also provides a link to our sponsor, the U.S. Department of Education's National Library of Education. We welcome your feedback.

AskERIC

AskERIC has been recognized as the best professional education site on the Internet by Global Network Navigator (GNN), publisher of *The Whole Internet Catalog*. GNN is a consumer-oriented Internet service sponsored by America Online, Inc. Winners were announced at GNN's second annual "Best of the Net" awards ceremony. In addition, AskERIC's Internet site has been named among the top 5 percent of all World Wide Web sites by Point Communications, an independent review organization.

"AskERIC provides a wealth of curriculum materials and extensive research on education. Visitors can ask questions of researchers (hence the name AskERIC), or explore some of the site's hosted resources such as PBS's series "Newton's Apple" or the Discovery Learning Community's education materials" applauded GNN. It also praised the AskERIC service for its "massive online question-and-answer service for teachers and parents; scores of lesson plans; and learning materials to use with children's programming on The Discovery Channel or PBS's Newton's Apple series." Point Communication's rating categories included content, presentation, and experience; but its key rating was based on the total experience of being in the site—"is the site fun, is it worth the time, and would you recommend it to a friend?" AskERIC's site rated 42 and higher out of 50 possible points in all three categories.

AskERIC is sponsored by the U.S. Department of Education's National Library of Education, Sun Microsystems Inc., and Syracuse University's Schools of Education and Information Studies, and is a special project of the ERIC Clearinghouse on Information & Technology. AskERIC's Internet WWW address is **http://ericir.syr.edu**.

ReadyWeb

The ERIC Clearinghouse on Elementary and Early Childhood Education has established ReadyWeb, a World Wide Web site on school readiness located at **http://ericps.ed.uiuc.edu/readyweb/readyweb.html**. This site is divided into two main sections, "Helping Children Get Ready for School" and "Helping Schools Get Ready for Children." The distinction between these two areas is examined in a digest by Lilian G. Katz that is available on the Web site. Besides the two main sections, ReadyWeb also contains a section of bibliographies of ERIC documents and journal articles on school readiness.

(continued on page 5)

(continued from page 4)

These bibliographies list approximately 100 citations (i.e., resumes that include bibliographic information, keywords, and an abstract) from the ERIC database over the last three or four years. The bibliographies will be updated periodically and approximately coincide with ERIC/EECE's print product, the *ReadySearch on School Readiness.*

ERIC/CS Launches Web Site

Developments in technology, both as a topic of publication and a means of providing better service to greater numbers of parents, teachers, and students is a primary theme for the ERIC Clearinghouse on Reading, English, and Communication (ERIC/CS). It recently launched its Internet WWW site, **http://www.indiana.edu/~eric_rec,** which offers a broad array of interesting and useful literacy materials, including bibliographies on more than 40 literacy-related topics, all the Digests produced by the Clearinghouse (with links to those produced by the other Clearinghouses), a catalog of its books and video publications, and extensive links to dozens of other sites it believes to be of interest to its patrons. The site has been awarded four-star ratings by several Web search engines and its *Parents and Children Together* online magazine, operated out of the Family Literacy Center section of its site, was cited by the Point Communications Service as one of the top 5 percent of Web locations on the 'Net.

ERIC Networker Available 24 Hours a Day

If you're a librarian who gets a lot of requests for information about accessing the ERIC database via the Internet or an ERIC user who'd like instant access to this information, read on. ACCESS ERIC has posted *Internet ACCESS Points to ERIC* in an autoresponder e-mail. If you send an e-mail message to **ericdb@aspensys.com,** with any or no subject or text, you will receive via e-mail the most current *ERIC Networker.*

The *Networker* provides you with a list of public Internet access points to the ERIC database and step-by step login instructions. If you have suggestions for other ways ERIC can use this autoresponder service to provide you with current information, please contact Barak Stussman, ACCESS ERIC's Technology Coordinator, at bstussma@aspensys.com or 1–800–LET–ERIC.

ERIC/UD Celebrates One Year on the 'Net

The ERIC Clearinghouse on Urban Education (ERIC/UD) is pleased to announce the one-year anniversary of its Web site—UEweb **(http://eric-web.tc.columbia.edu).** Since its inception in January 1995, the Clearinghouse has added more than 1,000 documents to UEweb, making it the largest urban education site on the Internet today. Internet users can utilize the site to access book-length publications, examine research reviews, and read short summaries of publications in the ERIC database.

UEweb offers an advantage not often found on many Web sites today—it includes the text of entire books that can be printed out from your computer terminal. Simply click on the link to a chapter of interest and choose a print command from your computer. Some of the titles currently featured are: *Strong Families, Strong Schools* and *Preparing Your Child for College: A Resource Book for Parents.* Shorter publications are also a major part of UEweb, including more than 40 full-text ERIC Digests, 27 information alerts, and 13 parent guides. Topics range from "Gaining Control of Violence in the Schools" to "School Programs and Practices for Homeless Students" and "The Importance of Minority Teachers," among others.

Visit the site regularly to check for new developments or to share your comments, ideas, and observations.

ERIC/SP Makes Its Mark

The ERIC Clearinghouse on Teaching and Teacher Education (ERIC/SP) has designed laminated bookmarks, each of which lists interesting WWW addresses related to a particular education theme:

- General Education sites
- K–12 Student-oriented sites
- Professional Development Schools sites
- Diversity I (general) sites
- Diversity II (specific) sites
- Health Education sites

If you'd like a sample bookmark, contact the Clearinghouse at 1–800–822–9229 or ericsp@inet.ed.gov.

Call 1–800–LET–ERIC

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and Support Components regularly develop new products and publications that guide users through the ERIC System or treat specific education issues. The *Interchange* is pleased to announce the following items:

From ACCESS ERIC

- ***Parent Brochure Series***
  Free, 5-copy per title limit while supplies last

  A collection of brochures that synthesize and summarize significant findings of recent education research on topics of interest to parents and educators. Sample titles include:

  How Can I Be Involved in My Child's Education?
  How Important is Homework?
  Rights and Responsibilities of Parents of Children With Disabilities
  Should Gifted Students Be Grade-Advanced?
  How Can I Identify a Quality Preschool Program?

- ***1996 ERIC Calendar of Education-Related Conferences***, January 1996
  $20.00 prepaid

  This directory includes information on more than 500 international, national, regional, and state education-related conferences to help practitioners stay abreast of events scheduled during 1996. It features four indexes to allow users to identify conferences of interest quickly and easily: Conference Date and Name, Sponsor and Conference Name, Geographic, and Subject.

These publications are available from ACCESS ERIC, 1600 Research Boulevard, 5F, Rockville, MD 20850–3172, 1–800–LET–ERIC (538–3742). Check, money order, Visa, or MasterCard accepted. Purchase orders are accepted only from universities and state and local education agencies. Add $2 per item for shipping to Canada and $4 per item for shipping to other foreign countries.

From the ERIC Clearinghouse on Educational Management (ERIC/EA)

- ***Transforming School Culture: Stories, Symbols, Values, and the Leader's Role*, 1995**
  Stephen Stolp and Stuart C. Smith
  ISBN: 0–86552–132–8
  $12.50

  What distinguishes an ineffective school culture from an effective one, and how can a school culture that fails to support excellence be changed? This new book provides some answers. The authors clarify the meaning of culture and offer many examples to illustrate its significance in schools.

To order, contact ERIC/EA, University of Oregon (Dept. 5207), 1787 Agate Street, Eugene, OR 97403–5207; phone: 1–800–438–8841; e-mail: ppiele@oregon.uoregon.edu.

From the National Clearinghouse for ESL Literacy Education (NCLE)

- *Immigrant Learners and Their Families: Literacy To Connect the Generations*, $13.50
  Gail Weinstein-Shr and Elizabeth Quintero, Eds.

To order, call Delta Systems at 1–800–323–8270; for more information, contact NCLE, CAL, 1118 22nd Street, NW, Washington, DC 20037–0037; phone: 202–429–9292, Ext. 200; e-mail: ncle@cal.org.

The *ERIC Users' Interchange* is published biannually by ACCESS ERIC.

Editor .... Belinda J. Taheri

Look for the next issue in Fall 1996.

Call 1–800–LET–ERIC

ERIC-Sponsored Internet Sites

ERIC Systemwide Site/ACCESS ERIC
gopher: gopher.aspensys.com
URL: http://www.aspensys.com/eric/
NOTE: THE ERIC SYSTEMWIDE SITE INCLUDES LINKS TO ALL ERIC-SPONSORED SITES

ERIC Clearinghouse on Adult, Career, and Vocational Education
Gopher: *

ERIC Clearinghouse on Assessment and Evaluation
Gopher: gopher.cua.edu (Special Resources)
URL: http://www.cua.edu/www/eric_ae

ERIC Clearinghouse on Community Colleges
Gopher: *
URL: http://www.gse.ucla.edu/eric/eric.html

ERIC Clearinghouse on Counseling and Student Services
Gopher: *
URL: http://www.uncg.edu/~ericcas2

ERIC Clearinghouse on Disabilities and Gifted Education
Gopher:*
URL: http://www.cec.sped.org/ericec

ERIC Clearinghouse on Educational Management
URL: http://darkwing.uoregon.edu/~ericcem/home.html

ERIC Clearinghouse on Elementary and Early Childhood Education
Gopher: ericps.ed.uiuc.edu
URL: http://ericps.ed.uiuc.edu/ericeece.html

National Parent Information Network (NPIN)
NPIN gopher: ericps.ed.uiuc.edu, select the National Parent Information Network
NPIN URL: http://ericps.ed.uiuc.edu/npin/npinhome.html

AskERIC-ERIC Clearinghouse on Information & Technology
Gopher: gopher.ericir.syr.edu
URL: http://ericir.syr.edu

ERIC Clearinghouse on Languages and Linguistics
Gopher: *
URL: http://www.ericir.syr.edu/ericcll

ERIC Clearinghouse on Reading, English, and Communications
Gopher: gopher.indiana.edu:1067
URL: http://www.indiana.edu/~eric_rec

ERIC Clearinghouse on Rural Education and Small Schools
URL: http://www.ael.org/~eric/eric.html

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*This ERIC Component maintains resources on the AskERIC gopher site. To get there gopher to gopher.aspensys.com, select "ERIC Systemwide Gopher", then "ERIC Components", followed by "ERIC Components that Maintain Gophers."

ERIC Clearinghouse for Science, Mathematics, and Environmental Education
Gopher: gopher.ericse.ohio-state.edu
URL: http://www.ericse.ohio-state.edu

ERIC Clearinghouse for Social Studies/Social Science Education
URL: http://www.indiana.edu/~ssdc/eric-chess.html

ERIC Clearinghouse on Teaching and Teacher Education
Gopher: *
URL: http://www.ericsp.org

ERIC Clearinghouse on Urban Education
URL: http://eric-web.tc.columbia.edu

Adjunct ERIC Clearinghouse on Art Education
http://www.indiana.edu/~ssdc/art.html

Adjunct ERIC Clearinghouse on Child Care
URL: http://ericps.ed.uiuc.edu/nccic/nccichome.html

Adjunct ERIC Clearinghouse on Clinical Schools
Gopher: *

Adjunct ERIC Clearinghouse for Consumer Education
URL: http://www.emich.edu/public/coe/nice/nice.html

Adjunct ERIC Clearinghouse on ESL Literacy Education
Gopher: *
URL: http://www.cal.org/cal/html/ncle.htm

Adjunct ERIC Clearinghouse on Entrepreneurship Education
Gopher: *
URL: http://www.celcee.edu

Adjunct ERIC Clearinghouse for United States-Japan Studies
URL: http://www.indiana.edu/~japan

Support Components:

ACCESS ERIC
(See ERIC Systemwide Site above)

ERIC Document Reproduction Service
Gopher: *
URL: http://edrs.com

ERIC Processing and Reference Facility
Gopher:*
URL: http://ericfac.piccard.csc.com

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*This ERIC Component maintains resources on the AskERIC gopher site. To get there gopher to gopher.aspensys.com, select "ERIC Systemwide Gopher", then "ERIC Components", followed by "ERIC Components that Maintain Gophers."

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Educational Resources Information Center (ERIC)

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Rockville, Maryland 20850-4305

Telephone: 301-258-5500
FAX: 301-948-3695
Toll Free: 800-799-3742
e-mail: ericfac@inet.ed.gov

(Rev. 3/96/96)

ERIC® USERS' INTERCHANGE

Fall 1996

SPECIAL INTEREST NEWS/FEATURES

Happy 30th Anniversary, ERIC!

ERIC celebrates its 30th anniversary during the 1996–97 school year. Once primarily a repository for federally funded education research, ERIC is now a dynamic source of print and electronic materials for improving teaching, learning, parenting, and education decision making. ERIC is using this milestone to publicize an array of free products and services available to librarians, parents, educators, and community members.

ERIC® CELEBRATING 1966–1996 30 YEARS

To get a referral to the ERIC Clearinghouse best able to answer your education question, call 1–800–LET–ERIC, or simply e-mail your question to askeric@ericir.syr.edu. If you have access to the Internet, you can explore ERIC resources by starting with the systemwide Web page (http://www.aspensys.com/eric). This site includes links to more than 20 ERIC-sponsored Internet sites, including those on reading; disabilities and gifted education; teaching and teacher education; languages and linguistics; and science, math, and environmental education.

You can request print copies of ERIC Digests directly from the ERIC Clearinghouses or obtain electronic copies from the award-winning AskERIC Virtual Library (http://ericir.syr.edu). At this site, you'll also find hundreds of lesson plans and InfoGuides that help users navigate the Internet by providing resources on topics such as children's literature and site-based management.

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Attachments
A: ERIC on NISC Disc Order Form
B: ACCESS ERIC Publication Order Form

EDRS Expands To Offer Electronic Access

What's the latest on electronic access to the full text of ERIC documents? The ERIC Document Reproduction Service (EDRS) has completed its facility expansion and all the new system components are in. EDRS expects to have a prototype online access system available in December for user exploration and testing at http://edrs.com/edrs/whatsnew.html. The prototype will contain four "hot topic" bibliographies with links to associated document images. Users will have unlimited, free access to these files in either TIFF or PDF formats. The full system will be implemented in Spring 1997. EDRS encourages users to provide feedback throughout the test phase. Additionally, if you need an order form or product and pricing information during non-business hours, try the new EDRS voiceback service. Call 1–800–443–ERIC to access information about document delivery services. The system also provides faxback service, so you can get an order form and other materials.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 1600 Research Boulevard, 5F, Rockville, MD 20850–3172, 1–800–LET–ERIC (538–3742).

(continued from page 1)

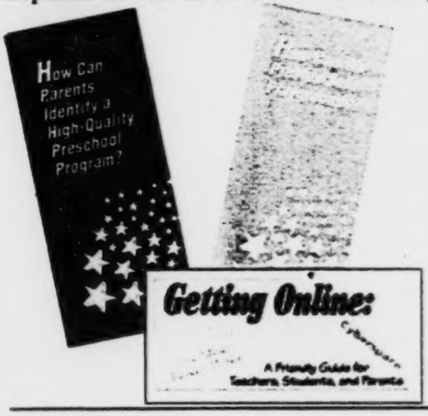
ERIC Searches

You can use the ERIC database, which contains descriptions of nearly a million education documents and journal articles, to do your own extensive search of the literature on any education-related topic. ERIC is accessible from virtually any location in the world. If you have access to the Internet, you can do a free ERIC search at http://ericir.syr.edu. You can also use ERIC at more than 1,000 locations across the country; call 1–800–LET–ERIC to find a library near you. Frequent users enjoy subscribing to a low-cost CD-ROM, updated quarterly, for around $100 per year (to find out more about the NISC DISC, call 1–800–799–ERIC or see Attachment A: *ERIC on NISC DISC Order Form*).

Free and Low-Cost Materials for Parents

ERIC is also keeping pace with the increasing emphasis on the role of parents in their children's education by:

- Preparing and distributing free parent-oriented materials. Parent Brochures that provide answers to commonly asked questions on topics such as playground safety, homeschooling, and financial aid for college are available from ACCESS ERIC. Call 1–800–LET–ERIC to request the current set (see Attachment B). Brief guides for and about parents on topics such as violence prevention and multicultural education are available from the ERIC Clearinghouse on Urban Education at 1–800–601–4868.
- Maintaining the National Parent Information Network (http://ericps.ed.uiuc.edu/npin/npinhome.html), a Web site hosting short articles on child rearing and child development as well as electronic discussion groups.


How Can Parents Identify a High-Quality Preschool Program?
Getting Online:
A Friendly Guide for Teachers, Students, and Parents

All ERIC Clearinghouses have toll-free numbers as well as e-mail and Web addresses. Parents who need information and are not sure where to start, can call ACCESS ERIC at 1–800–LET–ERIC (538–3742).

1995–96 ERIC Highlights

The following highlights were taken from the *ERIC Annual Report 1996*, available from ACCESS ERIC while supplies last at 1–800–LET–ERIC (538–3742).

ERIC is responsive to customers.

- ERIC staff answer more than 50,000 toll-free calls, 80,000 letters, and 500,000 e-mail questions per year.
- More than 300,000 individuals use ERIC's continually updated Internet sites each week.
- ERIC fosters communication on such topics as parenting and educational management through 27 listservs operated by 7 ERIC Clearinghouses, with a total subscriber base of 16,414 (for more information, visit the ERIC Systemwide Web site at http://www.aspensys.com/eric/list/.
- ERIC Clearinghouses distributed more than 1.5 million publications in 1995, many of them free.

ERIC works cooperatively to reduce duplication of efforts and ensure cost-effective service.

- Four hundred partner organizations promote ERIC, disseminate ERIC information through their newsletters, help build the database, and undertake joint projects. In return, partners receive VIP handling of information requests, advance notification and discounts on publications, and technical assistance.
- ERIC looks to the private sector to provide access to the database, document and article delivery, and publishing services. Companies such as DynCorp I&ET, Apple Computer, Inc., Sun Microsystems, and Personal Librarian have provided generous contributions to support technological advances. Such relationships enable ERIC to provide enhanced products and services at no additional cost to the government or taxpayers.
- More than 625,000 copies of ERIC-produced publications were distributed by other organizations in 1995.

ERIC is expanding its services to take advantage of new technologies.

ERIC is a dynamic system that looks to new technologies to respond to user needs. In the next year, ERIC will offer:

- Full text of ERIC documents from the ERIC Document Reproduction Service on the Internet.
- An online ERIC publications catalog for browsing and ordering major publications produced by ERIC components.
- Searchable Internet database versions of the *ERIC Calendar of Education-Related Conferences*, *ERIC Directory of Education-Related Information Centers*, and *Directory of ERIC Resource Collections*.

- CD-ROM and Internet dissemination of:

  Full text of all National Educational Research and Development Centers documents in the ERIC database from 1966 to the present.

  Full text of all Regional Educational Laboratories and ERIC system publications from 1983 to the present.

- An Internet lesson plan catalog that will establish a standard profile for describing and cataloging lesson plans, teacher guides, and other instructional units on the Internet and provide users a one-stop access point.

Adjunct ERIC Clearinghouse Update

As highlighted in the April 1994 *Interchange*, Adjunct ERIC Clearinghouses concentrate on specific topics that fall within the scope of the formal ERIC Clearinghouses. Like the parent clearinghouse, the adjunct is staffed with knowledgeable personnel who can help you with your information needs. ERIC is pleased to announce the addition of four organizations to its network of Adjunct ERIC Clearinghouses:

Child Care
National Child Care Information Center
301 Maple Avenue West, Suite 602
Vienna, VA 22180
Toll-free: 800–616–2242
Phone: 703–938–6555
E-mail: agoldstein@acf.dhhs.gov
URL: http://ericps.ed.uiuc.edu/nccic/nccichome.html

Child care is the care of children in all age groups in home or center settings. Coverage includes regulations and standards for facilities/services, health and safety in child care services, staffing and professional development, resource and referral agencies for child care, and work and funding issues related to the demands and requirements of child care, among other related topics.

Entrepreneurship Education
Center for Entrepreneurial Leadership
Ewing Marion Kauffman Foundation
4900 Oak Street
Kansas City, MO 64112–2776
Toll-free: 888–423–5233
Phone: 310–206–9549
E-mail: celcee@ucla.edu
URL: http://www.celcee.edu

Entrepreneurship education is the process of helping individuals to recognize business opportunities that others have overlooked. It provides instruction in areas such as business planning, capital development, business start-up, operational management, marketing, and risk assessment to people who are starting independent businesses. It includes all levels of education (K–12 through postsecondary) and all sites at which such teaching and learning may take place (schools, non-profit organizations, professional societies, commercial organizations, and small business development centers).

International Civic Education
Indiana University
Social Studies Development Center
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Toll-free: 800–266–3815
Phone: 812–855–3838
E-mail: patrick@indiana.edu

International civic education covers all areas of civic education in countries throughout the world; including education for democracy, citizenship education, human rights education, constitutional studies, and comparative civic education.

Service Learning
National Service-Learning Cooperative Clearinghouse
University of Minnesota
1954 Buford Avenue, Room R-290
St. Paul, MN 55108
Toll-free: 800–808–SERV (7378)
Phone: 612–625–6276
E-mail: serve@maroon.tc.umn.edu
URL: http://www.nicsl.coled.umn.edu

Service learning is a teaching method that connects meaningful community service experiences with academic learning, personal growth, and the development of civic responsibility.

Just What Does the ERIC Facility Do?

The ERIC Processing and Reference Facility is now offering a brochure that explains how it fits in the ERIC network of organizations, what it does, and why you, as an ERIC user or information provider, might want to contact the Facility. The brochure includes information about how the Facility acquires and processes ERIC documents, edits ERIC data input, maintains the ERIC indexing vocabulary, and distributes the ERIC database master tapes. It also describes several publications the Facility distributes about ERIC. For your free copy of this brochure, contact the ERIC Processing and Reference Facility, 1100 West Street, Laurel, MD 20707; phone: 1–800–799–ERIC or 301–497–4080; e-mail: ericfac@inet.ed.gov.

Learning To Read, Reading To Learn

In July 1996, the U.S. Department of Education's Office of Special Education Programs (OSEP) launched the Learning To Read, Reading To Learn public information campaign. The campaign promotes better learning/reading instruction for students with learning disabilities by providing balanced, research-based information. Several national organizations have agreed to disseminate information packets, including the ERIC Clearinghouse on Disabilities and Gifted Education. The packet includes:

> *1996–1997 Resource Guide*—A guide to publications, meetings, and people to contact in the 25 organizations in the Learning To Read, Reading To Learn Partnership.
>
> *Researchers as Resources on Reading Network*—A list of 40 researchers who are ready, willing, and able to help schools and school districts with their problems in reading instruction.
>
> *Reading: The First Chapter in Education*—A discussion of the current state of reading instruction in the United States.
>
> *Principles for Learning To Read*—A list of 10 research-based principles necessary for reading.
>
> *Tips for Teachers*—Guidance to make teaching reading easier, more successful, and more fun!
>
> *Tips for Parents*—Fun ways parents can help their children learn to read.

If you'd like a packet, contact the ERIC Clearinghouse on Disabilities and Gifted Education, The Council for Exceptional Children, 1920 Association Drive, Reston, VA 20191–1589; phone: 1–800–328–0272 or 703–264–9474; e-mail: ericec@cec.sped.org.

Reading: The First Chapter in Education, *Tips for Teachers*, and *Tips for Parents* are also available on the Internet at http://cec.sped.org/ericec and through fax on-demand at 703–264–9420.

VENDOR NEWS

SilverPlatter Information, Inc.

In keeping with customer desire for greatest choice of access, SilverPlatter Information provides the ERIC database electronically via local, intranet, and Internet access. Subscribers may load the ERIC database locally on CD-ROM or their hard disk, or may receive ERIC via SilverPlatter's Internet Service.

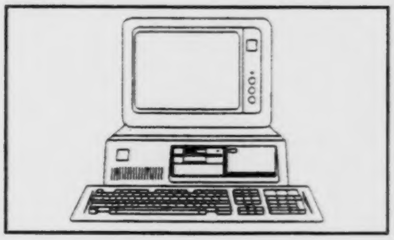
SPIRS (SilverPlatter Information Retrieval System) search software is available for Windows, DOS, Macintosh, UNIX, and NEC computer environments. Additionally, WebSPIRS, SilverPlatter's powerful HTTP gateway, provides Web access to the Internet Subscription Service and customers' ERL (Electronic Reference Library) networks through any forms-capable browser, such as NetScape or Mosaic. WebSPIRS eliminates the need to install and maintain search software on individual workstations.

SilverPlatter shares its ERL technology with its partners as a client/server solution for providing wide area network access as far-reaching as the Internet. ERL technology is a common technological framework on which digital libraries can be created and interconnected to form a worldwide library. For more information, contact SilverPlatter, 100 River Ridge Drive, Norwood, MA 02062–5043; phone: 1–800–343–0064 or 617–769–2599.

National Information Services Corporation (NISC)

Some things bear repeating, such as the fact that the ERIC Facility continues to offer a new low-cost method of accessing the ERIC bibliographic database via CD-ROM—the ERIC NISC DISC. At $25 for the current disk or $100 for an annual subscription, the price puts ERIC within reach of all members of the education community. An archival disc covers 1966–1979. A Spanish-language user interface is a standard option available on all discs, and LAN/WAN use is available at no extra charge. For more information, see Attachment A: *ERIC on NISC DISC Order Form.*

ERIC Information Online Update



ERIC Information Online Update provides you with highlights of current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.). This edition highlights one of the many ways ERIC is celebrating its 30th birthday—with an ERIC Internet hunt.

ERIC Internet Hunt: A Test of Your ERIC and Net Skills

As part of the year-long anniversary commemoration during the 1996–97 school year, ERIC is hosting an Internet hunt, inspired by Rick Gates' Internet hunts now of Internet folklore. On the first working day of each month during the 1996–97 school year, we will pose a set of questions whose answers lie somewhere on ERIC's section of cyberspace. Use whatever means are at your disposal to find the correct answers, tell us how you got each answer, and explore parts of ERIC and the Internet you don't know.

On the last working day of each month during the 1996–97 school year, we'll draw for a winner from all correct entries. Each winner will receive a ceramic 30th anniversary mug from the ERIC Document Reproduction Service and his or her choice of the following publications: the *1997 ERIC Calendar of Education-Related Conferences* ($20 value), the *ERIC Directory of Education-Related Information Centers* ($17 value), or the *Catalog of ERIC Clearinghouse Publications* ($12 value). Winning entries must give the correct answers as well as explain where and how they were found on the ERIC section of cyberspace. Start your hunt from the ERIC Systemwide Web site at http://www.aspensys.com/eric/hunt. Happy hunting!

[Tip for librarians: This is a great way to encourage your patrons to learn how to use ERIC and the Internet at the same time.]

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. The *Interchange* is pleased to announce the following items:

From ACCESS ERIC

ACCESS ERIC is currently offering several brochures for parents as well as a variety of education reference and referral publications. For more information, see Attachment B: *ACCESS ERIC Publications*.

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

- ***Taking Teaching Seriously: Meeting the Challenge of Instructional Improvement***, 1996
  Michael Paulsen and Kenneth Feldman
  $18

  This book applies a model for developing quality teaching through motivating faculty to focus on a variety of feedback mechanisms, including colleagues, consultants, chairs, students, and themselves. The creation of a supportive teaching culture is seen as critical to constructively obtaining and using this feedback. The book also addresses the special needs of new and junior faculty. The authors make recommendations about how a college can improve teaching campuswide.

To order this publication, contact ERIC/HE, The George Washington University, One Dupont Circle, NW, Suite 630 Washington, DC 20036–1183; phone: 1–800–773–3742 or 202–296–2597; e-mail: eriche@inet.ed.gov.

From the ERIC Clearinghouse on Rural Education and Small Schools (ERIC/CRESS)

- ***1996 Rural Education Directory: Organizations and Resources***, 1996
  Patricia Cahape Hammer, Compiler
  $12

  Handier than ever with a detailed index, the new edition of this popular directory includes national organizations, associations, networks, centers, and clearinghouses; federal government agencies and Congressional offices; rural journals; state organizations, National Rural Education Association affiliates, and other groups involved in rural education at the state level; and state department of education rural program coordinators and state data centers.

  To order, contact ERIC/CRESS, P.O. Box 13548, Charleston, WV 25325–1348; phone: 1–800–624–9120 or 304–347–0400; e-mail: lanhamb@ael.org.

From the ERIC Clearinghouse on Information & Technology (ERIC/IT)

- ***Trends in Educational Technology 1995***
  Donald P. Ely and others
  ISBN: 0–937597–40–6
  $10 plus $3 shipping, (IR-99)

  Where is educational technology headed? This new study identifies emerging educational technology topics from nearly 1,200 journals, dissertations, conferences, and ERIC documents. A comparison of the findings from 1995 to other trend studies by the author, conducted in 1988, 1989, and 1991, provides readers a longitudinal perspective on trends. Each trend is listed separately with supporting data, subjective commentaries, and references.

To order, contact ERIC/IT, 4-194 Center for Science and Technology, Syracuse University, Syracuse, New York 13244-4100 and make checks payable to: Information Resources Publications; phone: 1–800–464–9107 or 315–443–3640; e-mail janet@ericir.syr.edu.

The *ERIC Users' Interchange* is published biannually by ACCESS ERIC.

Editor . . . . Belinda J. Taheri

Look for the next issue in Spring 1997.

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ERIC on NISC DISC

Order Form

Orders should be sent to:
ERIC Facility (CD-ROM Project), ERIC Processing and Reference Facility, Computer Sciences Corporation, 1100 West Street, 2d Floor, Laurel, Maryland 20707-3598; Telephone: 301-497-4080, Toll Free: 800-799-3742; FAX: 301-953-0263; e-mail: ericfac@inet.ed.gov, WWW: http://ericfac.piccard.csc.com

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	CDO	Current disc Only	$ 25 (DOMESTIC)/$ 28 (FOREIGN)	
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June 1996

ERIC ON NISC DISC
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Annual Subscriptions①	Stock Number	Domestic Price	Foreign Air Price
Archival Disc (1966-1979) plus one year's subscription to quarterly updated Current disc	ADCDS	$125	$140
Current Disc Subscription (one year's subscription to quarterly updated Current disc) (1980-)	CDS	$100	$115

Single Orders②	Stock Number	Domestic Price	Foreign Air Price
Archival Disc Only③ *(No Current disc; no subscription)*	ADO	$25	$28
Current Disc Only *(No Archival disc; no subscription)*	CDO	$25	$28
Archival Disc Plus Current Disc *(no subscription)*	ADCDO	$50	$55
NISC DISC *User's Guide*	UGO	$10	$15

① All subscription orders receive one free copy of the NISC DISC *User's Guide*. Additional copies must be purchased separately.

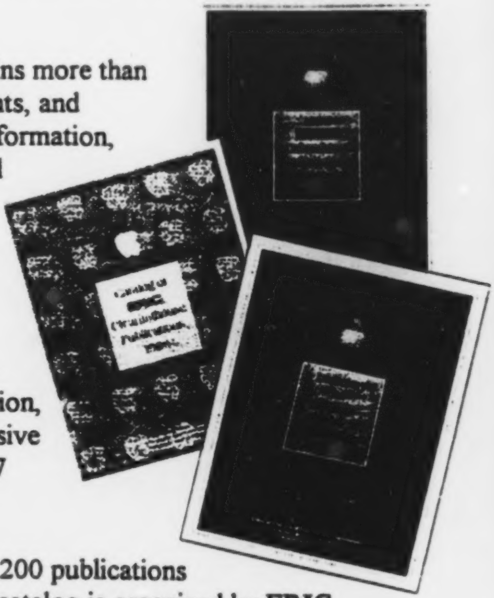
② For single orders, the NISC DISC *User's Guide* is not included and must be ordered separately.

③ Note that the Archival disc does not contain a copy of the retrieval software and, therefore, can only be searched when used in conjunction with a Current disc (which does carry the retrieval software).

NOTE: Hardware requirements are: (1) any DOS-capable, IBM-compatible computer (but 386-level or greater is recommended); (2) any CD-ROM drive; (3) color or monochrome monitor; (4) 150K RAM available (512K without extended memory).

ACCESS ERIC **Publications**

Educators, administrators, librarians, students: ACCESS ERIC announces the availability of four valuable education resource directories.



1997 ERIC Calendar of Education-Related Conferences: Contains more than 525 conferences for teachers, administrators, parents, students, and librarians. Entries include event locations, topics, sponsor information, and more. This resource can aid you in planning professional development agendas, meeting with other experts in your field, or even displaying your own information and materials. Only $20 including S&H.

ERIC Directory of Education-Related Information Centers: Describes more than 450 organizations that offer education-related information. This directory includes contact information, organization descriptions, and topics covered. A comprehensive subject index makes it easy to locate organizations. Only $17 including S&H.

Catalog of ERIC Clearinghouse Publications: Lists more than 1,200 publications produced by the ERIC system, many of which are *free*. The catalog is organized by ERIC component and includes a subject index so you can browse topics of interest. Only $12 including S&H.

Directory of ERIC Resource Collections 1996: Includes more than 1,000 locations worldwide that provide access to ERIC information. The directory lists resources available, contact information, and services provided. Find your nearest ERIC resource collection by looking up your city and state. This valuable resource is free.

ORDER FORM:	*Quantity*	*Price*	*Total*
1997 ERIC Calendar of Education-Related Conferences	______	$20 *	______
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Rockville, Maryland 20850–3172

Payment Types: ☞ **Check or Purchase Order** payable to ACCESS ERIC ☞ or **Credit Card**

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Signature______________________________ ☐ Visa ☐ MasterCard

Or call 1–800–LET–ERIC

New Brochures for Parents and Teachers Available Free from ACCESS ERIC

ACCESS ERIC, the promotional and outreach arm of the U.S. Department of Education's Educational Resources Information Center (ERIC) system, announces the availability of seven brochures for parents and teachers. These Parent Brochures are now available free while supplies last. They may be freely reproduced and distributed:

- **How Can We Provide Safe Playgrounds?**— Lists common playground hazards and describes ways to improve playground safety.
- **Como podemos proveer lugares con juegos infantiles que no sean peligrosos para los ninos?**—Spanish version of "How Can We Provide Safe Playgrounds?"
- **Homeschooling** and **Homeschooling Resources for Parents and Students**—These two brochures provide general information on homeschooling and a resource list of helpful books, magazines, and electronic sites.
- **How Can We Help Make Schools Safer for Students?**—Describes ways that parents, administrators, and students can increase school safety.
- **How Can I Receive Financial Aid for College?**— Explains different options for financial aid, including federal and private sources, and suggests steps to follow to apply for funding.
- **How Can I Help My Gifted Child Plan for College?**—Describes characteristics of gifted students and how they affect the college selection process, and suggests steps for helping gifted children get ready for college.

Other titles still available through ACCESS ERIC while supplies last include: **What Should Parents Know About Performance Assessment?, How Can We Strengthen Children's Self-Esteem?, How Can Computer Networking Be Used in the Classroom?, Rights and Responsibilities of Parents of Children With Disabilities, How Can Parents Identify a High-Quality Preschool Program?, What Does School Reform Mean to My Neighborhood School?, How Can I Be Involved in My Child's Education?, What Do Parents Need To Know About Children's Television Viewing?, and How Important Is Homework?**

The brochures are in a question-and-answer format and are all based on recent research. To order, call 1-800-LET-ERIC (538-3742), write to ACCESS ERIC at 1600 Research Boulevard-MS 5F, Rockville, MD 20850-3172, or e-mail acceric@inet.ed.gov.

ERIC USERS' INTERCHANGE

Spring 1997

SPECIAL INTEREST NEWS/FEATURES

National Library of Education Advisory Task Force Report Looks to the Future

In February 1997 the 12-member National Library of Education (NLE) Advisory Task Force submitted its report, *Access for All: A New National Library for Tomorrow's Learners*, to Marshall S. Smith, Acting Assistant Secretary for the Office of Educational Research and Improvement. The report is intended to serve the Department, Congress, and NLE staff in their decisionmaking about the Library's future activities.

The NLE Advisory Task Force was authorized by the Educational Research, Development, Dissemination, and Improvement Act of 1994. As required in the legislation, the task force was composed of four persons from each of the following categories: library and information services professionals; scholars and researchers; and educators and citizens knowledgeable about the role of comprehensive library and information service resources. Jane B. Kolbe, South Dakota State Librarian, served as the Advisory Task Force Chair.

Throughout its work, the Advisory Task Force consulted U.S. Department of Education staff, representatives of other organizations and agencies, and members of the public about the role and functions of a national library of education. It studied NLE's legislation and previous reports and studies on NLE and its predecessor organizations. It also examined documents and operations pertaining to other national libraries and major education libraries. The results of these reviews and collaborations, plus the Task Force's deliberations as experienced information practitioners, led to its recommendations which will challenge NLE to become the premier education information service for the United States.

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Attachments

Education Directories Available From ACCESS ERIC
ERIC Directory

ACCESS ERIC Has Moved!

On June 2, ACCESS ERIC relocated nearby. Please update your rolodex with the following information:

ACCESS ERIC
2277 Research Boulevard, 7A
Rockville, MD 20850
Toll-free: 1-800-LET-ERIC (538-3742)
Phone: 301-519-5789
Fax: 301-519-6760

Our e-mail address remains acceric@inet.ed.gov.

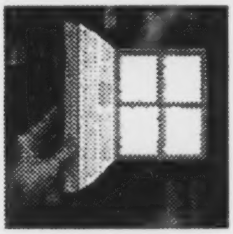
The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 2277 Research Boulevard, 7A, Rockville, MD 20850, 1-800-LET-ERIC (538-3742).

(continued from page 1)

The primary clientele of the Library are the U.S. Department of Education and its customers—America's educators, students, and parents. Most important is the role that NLE will play on a national level. Rather than concentrating on maintaining purely independent collections and services, the Library will strive to serve as a collaborative knowledge broker that links other education information services into a seamless national network of education information. The Library must initiate and sustain collaborative and cooperative relationships with other libraries, consortia, agencies, and organizations, and it must utilize the latest communications technology to serve its users. All of the recommendations contained in the report advance this vision of NLE as a national broker of education information.

Background

NLE's origins date to before the Civil War, when Congress determined that it was appropriate and important for the federal government to assist in the collection and national dissemination of information and statistics about education. A national consensus on the importance of this limited information role has continued for more than 130 years and across the life span of the successive offices and agencies that have been responsible for education information.



In March 1994 Congress created the new National Library of Education. It did so because of concern about the quality and management of education information in the U.S. Department of Education; a desire to provide wider access to high-quality information for all Americans; and in the belief that the information revolution required that educators and their information providers develop new and better ways to serve the cause of improving American education.

The National Library is now the federal government's principal center for one-stop information and referral on education. It houses onsite more than 200,000 books and about 750 periodical subscriptions in addition to studies, reports, ERIC microfiche, and CD-ROM databases. Currently, it holds books on education, management, public policy, and related social sciences; dictionaries, encyclopedias, handbooks, directories, abstracts, indexes, and legal and other research sources in print and CD-ROM; current and historical journals and newsletters; and more than 450,000 microforms. Special collections include rare books published before 1800 (mostly in education); historical books from 1800 to 1964; early American textbooks, 1775–1900; modern American textbooks, 1900–1959; U.S. Department of Education reports, bibliographies, and studies; archived speeches, correspondence, policy papers, and reports; and children's classics. With this wealth of information, the Library attracts researchers, students, and teachers from across the United States.

Current Organization and Status

NLE is now organized into three divisions corresponding to the mission and functional priorities of its authorizing legislation: Resource Sharing and Cooperation (RSCD), Reference and Information Services (RISD), and Collections and Technical Services (CTSD). A small Office of the Director coordinates library planning and operations and undertakes special projects.

Resource Sharing and Cooperation Division (RSCD). This division houses both the ERIC program and the Institutional Communications Network (INet).

NLE is modeling its resource sharing and cooperation after ERIC's distributed system of clearinghouses and support components working within a collaborative framework toward common goals of education database building and information sharing. Technology, particularly electronic networking, will play a key role in most of NLE's major activities, including resource sharing, cooperation, and the provision of a one-stop information and referral service.

NLE's INet created the Department's award-winning Web site <http://www.ed.gov>, hosts information for most of the Department's offices and programs, and provides a one-stop entry point to more than 50 other Department-sponsored Web sites.

(continued on page 3)

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Reference and Information Services Division (RISD). This division serves as the hub for access to information resources maintained by NLE and for dissemination of OERI publications. RISD, along with ERIC and INet, is the key element in NLE's one-stop information and referral operation, a function mandated in the legislation to provide high-quality responses to user inquiries via telephone (a toll-free number must be maintained by law), fax, e-mail, mail, and visit. One of the Library's major challenges is to maintain and improve the quality of its reference and referral services, for it is this service that is usually a customer's first contact with NLE.

During the last 2 years, NLE's ready reference service has seen the volume of reference and referral service more than double; now staff answer an average of 300 pieces of mail a day and 2,000 telephone calls per week, not counting special assistance requests from principal offices of the Department. These numbers are expected to continue to rise rapidly as the Library and its toll-free service become more widely known. The ERIC system also operates information services and toll-free access numbers for each Clearinghouse and for the system as a whole through ACCESS ERIC. ERIC components now answer nearly 200,000 toll-free information requests per year, or approximately 3,800 a week.

Electronic mail user inquiries are growing exponentially. The INet service is currently recording more than 2 million "hits" (instances of users logging onto the Internet site) per month, or more than 71,000 per day. The ERIC system is reporting a total of more than 36,000 logons per week from its access sites.

Collections and Technical Services Division (CSTD). The current collection housed in NLE is one of the nation's major resources for education information and the premier federal resource in that subject. In addition to managing the physical collection of the more than 200,000 titles and special collections discussed earlier, NLE collects and disseminates Department publications and statistical data about education and provides for public access to NLE collection resources via an online catalog and interlibrary loan and circulation services.

For more information about the National Library of Education, call 1-800-424-1616. To read the NLE Advisory Task Force's Report, visit the Department's Web site at <http://www.ed.gov/pubs/AccessforAll/>.

ERIC and NPIN To Host Families, Technology, & Education Conference in Fall 1997

Just as the automobile changed family life and expectations, creating new opportunities and unexpected challenges, so are new electronic technologies changing the ways parents raise and educate their children.

The Families, Technology, and Education (FTE) Conference, the first conference ever sponsored by ERIC and the National Parent Information Network (NPIN), will provide opportunities to reflect on the nature of current and emerging technologies and on the ways they affect family life and the education of children. The impact of the Internet, new telephone technologies, television, and other media will be the focus of the discussions. Presenters will include technology experts, policy makers, program planners, educators, parents, and parenting professionals.

ERIC
CONFERENCE
OCTOBER, 1997

The conference is intended for parents and those who work with families, including family support personnel, educators, corporate executives, media specialists, librarians, health care specialists, publishers, and information systems developers. It will be held in Chicago, Illinois, October 30 through November 1, 1997. The registration fee is $250 per person.

For more information, visit the FTE Web site at <http://ericps.crc.uiuc.edu/fte/ftehome.html> or contact Anne Robertson of the National Parent Information Network (phone: 1-800-583-4135; e-mail: arobrtsn@uiuc.edu.)

ERIC Online Publications Catalog Goes Live

Have you been waiting for ERIC to offer one convenient place through which you can browse ERIC-produced materials and order them electronically? Well, wait no more! In April, ERIC introduced its prototype Online ERIC Publications Catalog.

The Catalog includes free and fee materials that selected ERIC Clearinghouses and support components have recently produced, and—best of all—it allows you to order them electronically via a secure server. Each publication listing shows a digitized copy of the cover, provides a description, and includes the author(s), price, and contributing components' toll-free number in case you'd like to call for more information.

Ordering is easy. Search the Catalog by keyword, source, or title, or simply browse through the 80-plus titles currently offered. Indicate which materials you'd like to receive in the mail, and submit your order electronically. Your order(s) will be processed and mailed within two to three business days.

ACCESS ERIC hosts the Online ERIC Publications Catalog on its systemwide Web site at <http://www.aspensys.com/eric/catalog>. While there are currently more than 1,400 ERIC-produced publications available for free and for sale, during its pilot phase the Online Catalog will be limited to select titles contributed by ACCESS ERIC and the following ERIC Clearinghouses:

Counseling and Student Services
Disabilities and Gifted Education
Elementary and Early Childhood Education
Higher Education
Reading, English, and Communications
Urban Education

We encourage you to visit the Catalog Web site and try it out. A feedback form is included to enable you to submit your comments.

Online ERIC Document Delivery Update

Online ERIC document delivery is a step closer to reality. In early April, the ERIC Document Reproduction Service (EDRS) unveiled a new Web site featuring a test collection of nearly 100 full-text document images. For a limited time, you can access and download these documents electronically **free-of-charge**. Additionally, EDRS will begin beta testing its full online delivery system this summer. Users who join in the beta test will be able to order copyright-released ERIC documents (1996–) and have them delivered electronically for the price of paper copy documents. If you are interested in participating, sign up now through the EDRS Web site as the number of participants will be limited.

The EDRS site currently provides users access to the ERIC database for document searching and ordering. There is no charge to search the database, which contains citations for ERIC documents (EDs) from 1966 to the present. ERIC journal article citations (EJs) and the *Thesaurus of ERIC Descriptors* will be added to the searchable file in the near future.

You can access the new EDRS Web site at <http://edrs.com>. If you have a question or wish to speak with a Customer Service Representative, call 1–800–443–3742 or 703–440–1400, or e-mail EDRS at service@edrs.com.

EDRS Completes Second Edition of Beyond Reading, Writing, and Arithmetic

EDRS has released an updated second edition of *Beyond Reading, Writing, and Arithmetic: A Retrospective Look at How Schools Have Responded to Changing Societal Needs*. The book is a compilation of articles from ERIC that examines how societal trends have influenced school changes over the past 30 years. Major trends that have caused the American school to extend its role beyond the basic core curriculum include:

- High rates of child poverty
- An influx of non-English speaking workers and immigrants
- "Epidemic" rates of teenage pregnancy
- Widespread use of drugs and alcohol

The authors illustrate the evolution of the American school's mission by discussing accompanying curriculum changes, including the emergence of programs in compensatory education, such as Head Start; bilingual education and ESL; sex education; and drug, alcohol, and values education.

It is being offered at a special price of $40 plus shipping and handling. Contact EDRS toll-free at 1–800–443–3742 or through e-mail at service@edrs.com.

ERIC on Ebonics

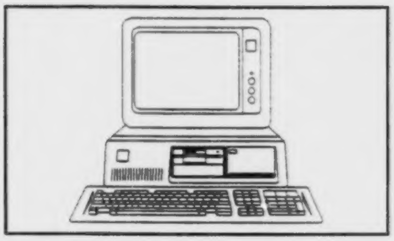
In response to the renewed interest in dialect education stimulated by the Oakland (CA) school district's new policy on teaching standard English to speakers of Ebonics, the ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL) published "Dialect Education: Not Only for Oakland" in the March 1997 issue of the *ERIC/CLL News Bulletin.* This article attempts to dispel what it calls the myth that there is only one *real* English—standard English—and that deviations from it are impoverished and unworthy. The author concludes that what is needed is increased awareness of dialect differences and research into effective ways of teaching standard English. You can read the full text of the article on ERIC/CLL's Web site at <http://www.cal.org/ericcll>. You can find additional information on Ebonics (also known as African-American Vernacular English) at <http://www.cal.org/Ebonics>. For further information, call ERIC/CLL at 1–800–276–9834.

ERIC Directory Update

Several ERIC Clearinghouses and support components have changed addresses, phone numbers, or—most often—Web site addresses. While contact information for each component is disseminated in each of the systemwide publications, such as *A Pocket Guide to ERIC*, *All About ERIC*, and *The ERIC Review*, these products are only updated once or twice a year and can get out of date quickly.

To provide you with the most up-to-date ERIC contact information, we've included an ERIC Directory as the last page of this issue of the *Interchange*. Feel free to post it on your bulletin board or to put it with your other address and phone directories. And, if you ever want to verify whether the listed information is current, call ACCESS ERIC at 1–800–LET–ERIC (538–3742).

ERIC Information Online Update



In this column, we highlight current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.).

Extra! Extra! Subscribe Now to the ERICNews Listserv

In an effort to get ERIC news out to interested parties as it happens, ACCESS ERIC is pleased to announce it now hosts the ERICNews Listserv. This read-only electronic mailing list provides subscribers with bimonthly updates on the latest ERIC systemwide initiatives, products, and services. Postings to the ERICNews Listserv include:

- New ERIC document delivery services
- New publications and updates by the ERIC Clearinghouses and support components
- New ERIC database accession enhancements and updates
- Systemwide administrative announcements

To subscribe, send e-mail to **listproc@aspensys.com**. Type "Subscribe ERICNews <firstname> <lastname>" in the body of your message (replace "firstname" and "lastname" with your name, no quotes).

For further information about ERICNews contact Kevin Mitchell (kmitchell@aspensys.com) or Michael Heeg (mheeg@aspensys.com), or call ACCESS ERIC at 1–800–LET–ERIC (538–3742).

GEM: The Gateway to Educational Materials

The National Library of Education (NLE) Advisory Task Force identified lesson plans and teacher guides as a top priority area in which NLE should apply library and information science expertise. NLE's goal is to improve the organization and accessibility of the substantial, but uncataloged, collections of such material that are already available on various federal, state, university, non-profit, and commercial Internet sites. In association with NLE and the U.S. Department of Education, the ERIC Clearinghouse on Information & Technology (ERIC/IT) has agreed to spearhead a one-year project to provide an operational framework to offer the nation's teachers "one-stop" access to these Internet lesson plans. According to Michael B. Eisenberg, director of ERIC/IT, "This project's goal is to provide a new set of tools to get information into the hands of educators quickly and easily so children can learn."

There are thousands of lesson plans and other curriculum units on Web and Gopher sites across the Internet. In general, these valuable resources are difficult for most teachers to find in an efficient, effective manner. The goal of the Gateway to Educational Materials (GEM) project is to solve this resource discovery problem. For more information, visit the GEM Web site at <http://ericir.syr.edu/~ilp>.

Looking for Internet Resources?

Need information on writing across the curriculum, school to work, or technology plans for school library media centers? Resources on these and more than 120 other topics can be found in AskERIC InfoGuides. AskERIC InfoGuides are the educator's guide to Internet and ERIC resources. Topics for AskERIC InfoGuides are chosen from frequently asked questions received by AskERIC's award-winning question-and-answer service. Check out AskERIC InfoGuides by visiting the AskERIC Web site at <http://ericir.syr.edu>, Select Virtual Library, Select AskERIC InfoGuides.

ERIC/HE Unveils Its New Web Site

Visit the ERIC Clearinghouse on Higher Education's new Web site at <http://www.gwu.edu/~ериche>. The site has many features helpful to higher education researchers and administrators, as well as parents and students, including:

- Answers to frequently asked questions such as "How can I find funding for college?" and "What college should I choose?"
- A catalog for the ASHE–ERIC Higher Education Report Series, a call for proposals from potential authors, and author guidelines.
- Hot links to other higher education sites.

Future additions to the site will include a summary of the major higher education trends and issues announced in the ERIC database in 1996. When you visit the site, be sure to fill out a user feedback form.

The Virtual Reference Desk: Exploring Digital Reference Services

The ERIC Clearinghouse on Information & Technology is working with the National Library of Education, the MAD Scientist Network, and partners around the country to explore digital reference services on the Internet. This collaborative project will examine existing exemplary K–12 digital reference services and will create descriptions of how these services build and maintain their Internet information services to meet the reference needs of the K–12 community.

A Virtual Reference Desk Web site will be created to make available information and software related to digital reference. The site will be used to foster a sense of community and sharing among digital reference services. A cross-discipline question-and-answer knowledge base will be available on this site to provide students access to a wide array of answers to previously asked questions. Also, training materials and a handbook on building and maintaining digital reference services will be placed on the Web site for digital reference services to use. These materials will allow experts in various fields to learn procedures for interacting with students and answering questions from the K–12 community.

For more information, visit the Virtual Reference Desk Web site at <http://www.askeric.org/~rdlankes/NLE/>.

Animation Comes to the Urban Ed Web

Animation has come to the Urban Education Web site <http://eric-web.tc.columbia.edu> of the ERIC Clearinghouse on Urban Education. First, a schoolhouse on the UEweb home page lights its windows and swings open its door to greet visitors. Then a cartoon character, D2Urbie, ushers in parent guides in the urban/minority family section. Less exciting but more edifying are new full-text publications on UEweb. They include books and monographs about community schools, hard-to-reach parents, and preventing violence; new ERIC digests about Hispanic preschool education, education of immigrant children, and strategies to reduce school violence; and, parent guides about what parents can do about learning disabilities, how they can create parent centers in their schools, and how they can choose an after-school program. Some parent guides on UEweb now appear in Spanish and English.

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. The *Interchange* newsletter is pleased to announce the following items:

From the ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL)

- *Digests*
  Free

  - African Languages at the K–12 Level
  - Grammar and Its Teaching: Challenging the Myths
  - Language Minority Students in School Reform: The Role of Collaboration
  - Proficiency Plus: The Next Step
  - Promoting Secondary School Transitions for Immigrant Adolescents
  - Teaching Foreign Languages to At-Risk Students

- *Minibibs*
  Free

  - African-American Students and Foreign Language Study
  - Oral Proficiency Testing
  - Official English: Background and Viewpoints

To order, contact ERIC/CLL, Center for Applied Linguistics, 1118 22nd Street NW, Washington, DC 20037–1214; phone: 1–800–276–9834; e-mail: eric@cal.org; Web: <http://www.cal.org/ericcll>.

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

- ***Successful Faculty Development and Evaluation: The Complete Teaching Portfolio*, 1995**
  John P. Murray
  95–8, ISBN 1–878380–72–9
  ERIC Clearinghouse Accession Number: HE 029 998
  $18

  This report addresses the concept of teaching portfolios. It discusses the importance of accounting for the institutional culture when introducing the concept of teaching portfolios and the leadership role of the department chair in effecting improvement in teaching.

  ***Experiential Learning in Higher Education: Linking Classroom and Community*, 1995**
  Jeffrey A. Cantor
  95–7, ISBN 1–878380–71–0,
  ERIC Clearinghouse Accession Number: HE 029 965
  $18

  This literature review focuses on experiential learning in higher education. While the literature suggests experiential learning is a necessary and vital component of formal instruction in colleges and universities, controversy exists among scholars and educators about its place and use.

These publications are available from ERIC/HE, The George Washington University, One Dupont Circle NW, Suite 630, Washington, DC 20036–1183; phone: 800–773–3742; e-mail: eriche@eric-he.edu; Web: <http://www.gwu.edu/~eriche/>.

From the ERIC Clearinghouse on Rural Education and Small Schools (ERIC/CRESS)

- ***Small Schools Digest Series***
  Free

  The Digests in this series are available via the ERIC/CRESS Web site at <http://aelliot.ael.org/~eric/digests/>.

  - The Academic Effectiveness of Small-Scale Schooling: An Update
  - Affective and Social Benefits of Small-Scale Schooling
  - Curriculum Adequacy and Quality in High Schools Enrolling Fewer Than 400 Pupils (9–12)
  - Ongoing Dilemmas of School Size: A Short Story

- ***Sustainable Small Schools: A Handbook for Rural Communities***, 1996
  Craig B. Howley and John M. Eckman, Editors
  ERIC Clearinghouse Accession Number: RC 020 838
  $15

  This book addresses the question "What is a *good* local school?" and discusses dilemmas facing small schools in the United States in the context of rural education, such as the causes for consolidation or school closure, multiage classrooms, and community-based instruction. A resource section describes helpful books, periodicals, organizations, and agencies.

To order these publications, contact ERIC/CRESS, Appalachia Educational Laboratory, 1031 Quarrier Street, P.O. Box 1348, Charleston, WV 25325–1348; phone: 800–624–9120; e-mail: lanhamb@ael.org; Web: <http://www.ael.org/erichp.htm>.

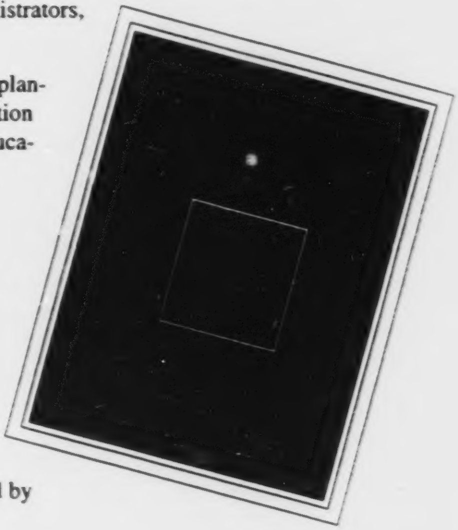
The *ERIC Users' Interchange* is published biannually by ACCESS ERIC.

Editor . . . . Belinda J. Taheri

Look for the next issue in Fall 1997.

Education Directories Available from ACCESS ERIC

ACCESS ERIC announces four valuable resources for educators, administrators, policy makers, librarians, journalists, and students.



1997 ERIC Calendar of Education-Related Conferences. Invaluable for planning professional development and networking opportunities, this publication contains entries for more than 500 international, national, and regional education conferences. Each entry includes conference dates, location, topics, sponsor information, and more. $20, including shipping and handling.

ERIC Directory of Education-Related Information Centers 1996. This directory describes the services of more than 450 organizations that offer education information and technical assistance. A comprehensive subject index makes it easy to locate organizations. $17, including shipping and handling.

Catalog of ERIC Clearinghouse Publications 1997. The 1997 *Catalog* lists more than 1,400 research summaries, teaching guides, bibliographies, and monographs produced by the ERIC system and currently available for distribution, many of them for free. The *Catalog* is organized by ERIC component and includes a subject index and ordering information. $12, including shipping and handling.

Directory of ERIC Resource Collections 1996. This directory includes more than 1,000 locations worldwide that provide access to ERIC information. The directory lists resources available, contact information, and services provided. Find your nearest ERIC resource collection by looking up your city and state. Free.

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1997 ERIC Calendar of Education-Related Conferences	________	$20*	________
ERIC Directory of Education-Related Information Centers 1996	________	$17*	________
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Rockville, MD 20850

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Account Number ______________________________ EXP ____________

Signature ______________________________ ☐ Visa ☐ MasterCard

Or call 1-800-LET-ERIC

ERIC Directory

Educational Resources Information Center (ERIC)
U.S. Department of Education
Office of Educational Research and Improvement
National Library of Education
555 New Jersey Avenue NW
Washington, DC 20208–5720
Phone: (202) 219–2221
E-mail: eric@inet.ed.gov
Web: http://www.ed.gov

Clearinghouses

Adult, Career, and Vocational Education
The Ohio State University
1900 Kenny Road
Columbus, OH 43210–1090
Phone: (614) 292–4353; (800) 848–4815
E-mail: ericacve@magnus.acs.ohio-state.edu
Web: http://coe.ohio-state.edu/cete/ericacve/index.htm

Assessment and Evaluation
The Catholic University of America
210 O'Boyle Hall
Washington, DC 20064–4035
Phone: (202) 319-5120; (800) GO4–ERIC
E-mail: eric_ae@cua.edu
Web: http://ericae2.educ.cua.edu

Community Colleges
University of California at Los Angeles
3051 Moore Hall
P.O. Box 951521
Los Angeles, CA 90095–1521
Phone: (310) 825–3931; (800) 832–8256
E-mail: ericcc@ucla.edu
Web: http://www.gseis.ucla.edu/ERIC/eric.html

Counseling and Student Services
School of Education
University of North Carolina at Greensboro
201 Ferguson Building
Greensboro, NC 27412–5001
Phone: (910) 334–4114; (800) 414–9769
E-mail: ericcas2@dewey.uncg.edu
Web: http://www.uncg.edu/~ericcas2

Disabilities and Gifted Education
The Council for Exceptional Children
1920 Association Drive
Reston, VA 20191–1589
Phone: (703) 264–9474; (800) 328–0272
TTY: (703) 264–9449
E-mail: ericec@cec.sped.org
Web: http://www.cec.sped.org/ericec.htm

Educational Management
5207 University of Oregon
1787 Agate Street
Eugene, OR 97403–5207
Phone: (541) 346–1684; (800) 438–8841
E-mail: ppiele@oregon.uoregon.edu
Web: http://darkwing.uoregon.edu/~ericcem

Elementary and Early Childhood Education
University of Illinois at Urbana–Champaign
Children's Research Center
51 Gerty Drive
Champaign, IL 61820–7469
Phone: (217) 333–1386; (800) 583–4135
E-mail: ericeece@uiuc.edu
Web: http://ericps.crc.uiuc.edu/ericeece.html
National Parent Information Network Web:
http://ericps.crc.uiuc.edu/npin/npinhome.html

Higher Education
The George Washington University
One Dupont Circle NW, Suite 630
Washington, DC 20036–1183
Phone: (202) 296–2597; (800) 773–ERIC
E-mail: eriche@eric-he.edu
Web: http://www.gwv.edu/~eriche/

Information & Technology
Syracuse University
4–194 Center for Science and Technology
Syracuse, NY 13244–4100
Phone: (315) 443–3640; (800) 464–9107
ERIC/IT E-mail: eric@ericir.syr.edu
AskERIC E-mail: askeric@ericir.syr.edu
ERIC/IT Web: http://ericir.syr.edu/ithome
AskERIC Web: http://ericir.syr.edu

Languages and Linguistics
Center for Applied Linguistics
1118 22nd Street NW
Washington, DC 20037–1214
Phone: (202) 429–9292; (800) 276–9834
E-mail: eric@cal.org
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University, Smith Research Center
2805 East 10th Street, Suite 150
Bloomington, IN 47408–2698
Phone: (812) 855–5847; (800) 759–4723
E-mail: ericcs@indiana.edu
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
Appalachia Educational Laboratory
P.O. Box 1348/1031 Quarrier Street
Charleston, WV 25325–1348
Phone: (304) 347–0400; (800) 624–9120
TTY: (304) 347–0401
E-mail: lanhamb@ael.org
Web: http://www.ael.org/erichp.htm

Science, Mathematics, and Environmental Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210–1080
Phone: (614) 292–6717; (800) 276–0462
E-mail: ericse@osu.edu
Web: http://www.ericse.org

Social Studies/Social Science Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
E-mail: ericso@indiana.edu
Web: http://www.indiana.edu/~ssdc/eric-chess.html

Teaching and Teacher Education
American Association of Colleges for Teacher Education
One Dupont Circle NW, Suite 610
Washington, DC 20036–1186
Phone: (202) 293–2450; (800) 822–9229
E-mail: ericsp@inet.ed.gov
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Main Hall, Room 303, Box 40
New York, NY 10027–6696
Phone: (212) 678–3433; (800) 601–4868
E-mail: eric-cue@columbia.edu
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
301 Maple Avenue West, Suite 602
Vienna, VA 22180
Phone: (800) 616–2242
E-mail: agoldstein@acf.dhhs.gov
Web: http://ericps.crc.uiuc.edu/nccic/nccichome.html

Clinical Schools
American Association of Colleges for Teacher Education
One Dupont Circle NW, Suite 610
Washington, DC 20036–1186
Phone: (202) 293–2450; (800) 822–9229
E-mail: iabdalha@inet.ed.gov
Web: http://www.aacte.org/menu2.html

Consumer Education
National Institute for Consumer Education
Eastern Michigan University
207 Rackham Building
Ypsilanti, MI 48197–2237
Phone: (313) 487–2292
E-mail: rosella.bannister@emich.edu
Web: http://www.emich.edu/public/coe/nice/

Entrepreneurship Education
The Center for Entrepreneurial Leadership
Ewing Marion Kauffman Foundation
4900 Oak Street
Kansas City, MO 64112–2776
Phone: (816) 932–1000; (888) 4–CELCEE
E-mail: celcee@ucla.edu
Web: http://www.celcee.edu

ESL Literacy Education
Center for Applied Linguistics
1118 22nd Street NW
Washington, DC 20037–1214
Phone: (202) 429–9292, Extension 200
E-mail: ncle@cal.org
Web: http://www.cal.org/NCLE

International Civic Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
E-mail: patrick@indiana.edu

Law-Related Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408
Phone: (812) 855–3838; (800) 266–3815
E-mail: ericso@indiana.edu
Web: http://www.indiana.edu/~ssdc/lre.html

Service Learning
University of Minnesota
College of Education and Human Development
1954 Bufford Avenue, Room R-290, VoTech Building
St. Paul, MN 55108
Phone: (612) 625–6276; (800) 808–SERV
E-mail: serv@maroon.tc.umn.edu
Web: http:// www.nicsl.coled.umn.edu

Test Collection
Educational Testing Service
Princeton, NJ 08541
Phone: (609) 734–5737
E-mail: mhalpern@ets.org
Web: http://ericae2.educ.cua.edu/testcol.htm

U.S.–Japan Studies
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
E-mail: japan@indiana.edu
Web: http://www.indiana.edu/~japan

Support Components

ACCESS ERIC
2277 Research Boulevard, 7A
Rockville, MD 20850-3172
Phone: (301) 519–5789; (800) LET–ERIC
E-mail: acceric@inet.ed.gov
Web: http://www.aspensys.com/eric

ERIC Document Reproduction Service (EDRS)
7420 Fullerton Road, Suite 110
Springfield, VA 22153–2852
Phone: (703) 440–1400; (800) 443–ERIC
E-mail: service@edrs.com
Web: http://edrs.com

ERIC Processing and Reference Facility
Computer Sciences Corporation
1100 West Street, 2nd Floor
Laurel, MD 20707–3598
Phone: (301) 497–4080; (800) 799–ERIC
E-mail: ericfac@inet.ed.gov
Web: http://ericfac.piccard.csc.com

ERIC® USERS' INTERCHANGE

Winter 1997/1998

SPECIAL INTEREST NEWS/FEATURES

ERIC Responds to President Clinton's "Call-to-Action for American Education"

In 1997 President Clinton issued a "Call-to-Action for American Education" that set forth ten broad principles to guide the nation's education improvement agenda. Responding to the President's call, Secretary of Education Richard Riley and the U.S. Department of Education's senior leadership determined the specific areas in the "call-to-action" that the Department could most effectively address and identified seven national education priorities to guide its activities in improving American education over the next four years.

In order to encourage widespread participation in achieving the seven priorities, the Department held an Education Information Service Providers' Summit in October 1997 for all Department-funded technical assistance and education information providers. These organizations were encouraged to strengthen the communication process among service providers and between service providers and the Department of Education.

ERIC is proud to be a part of this effort to help the Department reach its goal of achieving the seven national education priorities and has already responded to Secretary Riley by categorizing our current efforts in support of them. The services and publications ERIC now offers that respond to the Department's priorities are included in this *Interchange* as Attachment A.

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ERIC Responds to the Department of Education's Seven Priorities
Valuable Resources for You From ACCESS ERIC

ERIC Annual Report 1997 Available Online

Each year ACCESS ERIC, in conjunction with the ERIC Program Office at the U.S. Department of Education, produces the *ERIC Annual Report*, which summarizes the recent accomplishments of the Educational Resources Information Center. The 1997 edition includes statistical and narrative ERIC highlights for the 1996 calendar year and is now available on the ERIC Systemwide Web site (*http://www.aspensys.com/eric/resources/annual97*).

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the Editor of the *Interchange*, ACCESS ERIC, 2277 Research Boulevard, 7A, Rockville, MD 20850, 1-800-LET-ERIC (538-3742).

New EDRS Pricing Structure Unveiled

The ERIC Document Reproduction Service (EDRS) has set new prices for ERIC documents, including collection subscriptions in microfiche and on-demand documents in all delivery media: microfiche, paper copy, and electronic image. As of January 1, 1998, prices increased 3 percent for all ERIC products, with the exception of on-demand electronic documents. The latter, formerly offered at paper-copy prices, now have their own pricing structure.

The new 1998 prices for all EDRS products are as follows:

1997 Cumulative Indexes on Microfiche	$75
Document Collections	
• Monthly Subscription Microfiche	
Silver, per card	$.2907
Diazo, per card	$.1421
• Approximate Annual Subscription, Diazo	$2,700
• Back Collections, 1966 to previous month	
Diazo, per card	$.1672
• Clearinghouse Collections	
Diazo, per card	$.3060
On-Demand Documents	
• Microfiche	
Per title (Up to 5 fiche/480 pages)	$1.42
Additional fiche, per card	$.25
• Reproduced Paper	
Each 25-page increment or part thereof	$4.21
• Electronic Page Image	
Base Price per electronic document	$2.50
Price per page	$.10

Example: a 15-page document costs $4 ($2.50 + $1.50)

An updated order form reflecting the 1998 prices and shipping rates is now available from EDRS. The form also shows the new flat fee schedule for international shipping. There are no shipping charges associated with electronic delivery.

EDRS plans to offer electronic subscriptions to ERIC document collections in 1998. The types of collections to be offered will meet the needs of a variety of libraries including public libraries and those at large research centers, universities and colleges, teacher research centers, and schools. Institutions will find an array of selections available, from the full ERIC collection to individual ERIC Clearinghouse collections to highly specialized topical collections. Subscriptions will be available in online and CD-ROM formats.

For more information, you can access the EDRS Web site at (*http://edrs.com*). If you have a question or want to speak with a Customer Service Representative, contact EDRS at 1–800–443–3742 or service@edrs.com.

ERICNews Listserv, ERIC Users' Interchange, or Both?

The ERICNews listserv subscription list is rapidly expanding. As announced in the Spring 1997 *Interchange*, this read-only electronic mailing list provides subscribers with bimonthly updates on the latest ERIC systemwide initiatives, products, and services.

Almost 1,000 ERIC users now subscribe to the listserv and more are signing up daily. Because the ERICNews listserv and the *Interchange* have the same target audiences and include similar information, the National Library of Education's ERIC Program Office is interested in determining if the *Interchange* paper copy can one day be replaced by the ERICNews listserv.

If you are an *Interchange* subscriber and feel strongly one way or the other about the electronic ERICNews listserv one day replacing the paper copy *Interchange*, we'd like to know your opinion. Please contact Belinda Taheri, *Interchange* Editor, at btaheri@aspensys.com or 1–800–538–3742.

To subscribe to the ERICNews listserv, send e-mail to **listproc@aspensys.com**. Type "Subscribe ERICNews <firstname> <lastname>" in the body of your message (replace "firstname" and "lastname" with your name, no quotes).

New ERIC Adjunct: National TRIO Clearinghouse

The National Library of Education is pleased to announce a new adjunct addition to the ERIC System—the National TRIO Clearinghouse (NTC), which is administered by the National Council of Educational Opportunity Associations.

Adjunct ERIC Clearinghouses support the 16 subject-specific ERIC Clearinghouses by focusing on narrow topics within their broader subject areas. The National TRIO Clearinghouse will focus on facilitating access to resources designed to help first-generation, low-income, and disabled students attend college. It will work primarily with the ERIC Clearinghouse on Higher Education in an organized collaboration with the ERIC Clearinghouse for Community Colleges and the ERIC Clearinghouse on Adult, Career, and Vocational Education.

For more information, contact NTC at 1025 Vermont Avenue, NW, Suite 900, Washington, DC 20005; phone: 202–347–2218; e-mail: clearinghouse@hq.nceoa.org; Web: (*http://www.trioprograms.org*).

Special Offer From Oryx Press

Stay ahead of the class with the essential tools for accessing ERIC and save both research time and dollars. Purchase the *Thesaurus of ERIC Descriptors*, 13th edition, edited by James E. Houston ($69.50), and the must-have companion volume, the *ERIC Identifier Authority List* (*IAL*), 1995, edited by James E. Houston, Carolyn R. Weller, and Carol A. Patt ($59.50), at the specially discounted price of $90.30 for the set. That's a 30 percent discount off the regular price of each volume and a combined savings of more than $38! If you already have one of these helpful guides you can order the other and take 25% off the regular price.

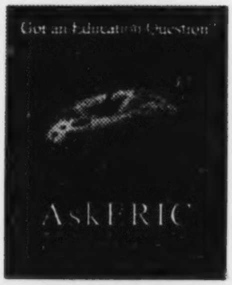
To take advantage of this special offer, contact Oryx Press, Suite 700, 4041 North Central Avenue at Indian School Road, Phoenix, AZ 85012–3397; phone: 1–800–279–6799; e-mail: info@oryxpress.com; Web: (*http://www.oryxpress.com*).

Looking for ERIC Training Materials?

The ERIC Clearinghouse on Information & Technology has updated its popular *ERIC in Action* video and AskERIC transparencies and has also created an AskERIC poster to make it easier for you to promote ERIC services and products with your users.

The 15-minute *ERIC in Action* video describes the basic structure of the ERIC system, major benefits the system offers to users, key features of the ERIC database, and options for locating copies of materials. It can be used to introduce ERIC to educators, researchers, and anyone interested in accessing current education information.

The AskERIC transparencies were created for national presentations and provide an overview of the main components of the AskERIC Service for Educators: Question & Answer Service, Virtual Library, and Research & Development. Educators can incorporate these transparencies—available in color or black-and-white—into their own presentations and workshops to increase awareness of AskERIC.



For a limited time, AskERIC is also offering a color poster announcing its e-mail Q&A service. You can display this color 18" x 24" poster, which features AskERIC's e-mail and Web site addresses, in high-traffic areas of your organization to let everyone know that ERIC is ready and waiting to help them find answers to their education questions. The AskERIC online addresses appear on the poster together with a dramatic apple in the spotlight. You can see the poster online at (*http://ericir.syr.edu/ithome/images/poster.html*).

The *ERIC in Action* video is $20 plus shipping; the AskERIC transparencies are $50 for 35 color transparencies or $30 for 35 black & white transparencies; the poster is $5. To order any of these products, contact the ERIC Clearinghouse on Information & Technology at 1–800–464–9107 (phone); 315–443–5448 (fax); or eric@ericir.syr.edu (e-mail).

ERIC Information Online Update

In this column, we highlight current ERIC services available through a variety of online information services (e.g., via the Internet, America Online, etc.).

America Online Removes ERIC Link

ACCESS ERIC regrets to announce that America Online (AOL) will no longer offer a direct link to the ERIC Systemwide Web site. As of October 4, 1997, America Online terminated the information provider agreement under which ACCESS ERIC received a royalty compensation (to help pay for the heavy Web site traffic from AOL users) and a special ERIC link on AOL's Web page.

Although AOL is willing to continue pointing to the ERIC Systemwide Web site, they do not see educators as a high priority market at this time, would not compensate ERIC for the additional expenses involved in serving AOL members, and would require that a link to download AOL software be added to the ERIC site.

If you are an AOL member, you may have noticed that you can no longer use the "Keyword: ERIC" command or locate ERIC on the new Research and Learn Channel. You *can* still access ERIC via AOL, however. Simply enter the Web site address: (*http://www.aspensys.com/eric*) in the "Keyword: Internet" section.

Assessment and Evaluation Site Relocates

The URL for the ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) has changed from (*http://ericae2.educ.cua.edu*) to (*http://ericae.net*).

When you change your bookmark, drop by ERIC/AE on the Web and take advantage of its Test Locator, which provides descriptions and reviews of education tests, tips for selecting a test, links to commercial test publishers, and a discussion of fair testing issues.

The ERIC/AE Online Library contains links to full-text essays, journals, and books addressing research, evaluation, measurement, and statistical issues. Visitors can also search current periodicals for articles on assessment.

New ERIC Search Wizard Works Its Magic

The ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) has updated its ERIC Search Wizard. This state-of-the-art search engine allows patrons to select terms interactively from the *ERIC Thesaurus* to build high-quality, effective searches. The new release provides:

- Seamless online ordering of ERIC documents
- Readily available information on journal and document sources
- The ability to select and display multiple citations simultaneously
- An option to save citations directly to disk
- A vastly improved 'More Like This' option (based on descriptors)
- Multiple document preview formats

In addition, the Wizard now allows patrons to load any of more than 70 prepackaged, high-quality search strategies on popular education topics. Developed by eight of the best reference librarians in the ERIC System, the strategies can be used "as is" or revised to suit individual needs. To access the Search Wizard, visit the ERIC/AE Web site at (*http://ericae.net/scripts/ewiz/amain2.asp*).

AskERIC Gopher Site Closes

The ERIC Clearinghouse on Information & Technology (ERIC/IT) took down its AskERIC gopher site in December 1997. The site received little traffic compared to the AskERIC Web site and ERIC/IT determined that it is not worthwhile to dedicate resources to maintaining/updating it. If your organization now points to the AskERIC Gopher site (*Gopher: ericir.syr.edu*), please update your link to point to the AskERIC Web site (*http://www.askeric.org*).

Call 1–800–LET–ERIC

Languages and Linguistics' Web Site Gets a Facelift

The ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL) has redesigned its Web site. New features include brighter graphics, links to the Office of Educational Research and Improvement and the National Library of Education, and a shaded "What's New" box.

The ERIC/CLL Web site also includes its latest full-text Digests, Minibibs, and other free products; a catalog of its most recent publications; and information about the Center for Applied Linguistics' foreign language, ESL, bilingual education, and dialect projects. Visit the new Web site at (*http://www.cal.org/ericcll*).

When you visit, make sure you read the latest issue of the *ERIC/CLL News Bulletin*, featuring the article "Language Teachers Align Curricula With Standards: Preliminary Results of a National Survey," by Jeff Solomon.

Educational Management Clearinghouse Installs New Search Engine

In December the ERIC Clearinghouse on Educational Management (ERIC/EA) installed a faster search engine on its Web site's in-process documents file. The file contains the resumes of the Clearinghouse's recently processed documents and journal articles before they appear in the ERIC database.

The new engine provides faster results by searching a preloaded index of terms rather than the complete file—currently containing more than 1,000 resumes—each time a search is initiated.

While users can now enjoy the new engine only when searching in-process documents, ERIC/EA plans to install the new search engine on the clearinghouse's ERIC Digest file as well. Check the Web site periodically for its addition.

To search the resumes, visit the ERIC Clearinghouse on Educational Management at (*http://darkwing.uoregon.edu/~ericcem/abstsearch.html*).

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. *Interchange* is pleased to announce the following items:

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/CE)

- Digests (Free)
  - *New Learning Strategies for Generation X*, October 1997
  - *Popular Education: Adult Education for Social Change*, October 1997
  - *Work-Based Learning*, October 1997
  - *The World Wide Web and Vocational Education*, October 1997
- ***Characteristics of Successful School-to-Work Initiatives: What the Research Says***, 1997
  Morgan V. Lewis
  IN-370, 39 pages, $7

Drawing upon six core documents, Lewis identifies the characteristics of successful school-to-work initiatives and discusses barriers to effective implementation. To prepare young people for work, the author calls for a fundamental restructuring of secondary education and stresses the need for employer cooperation to make the process successful.

To request Digests and order monographs, contact: Publications, Center on Education and Training for Employment, 1900 Kenny Road, Columbus, OH 43210-1090; phone: 1-800-848-4815 x24277; e-mail: ericacve@postbox. acs.ohio-state.edu; Web: (*http://coe.ohio-state.edu/cete/ericacve/pubs.htm#digest*).

From the ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL)

- ***Profiles in Two-Way Immersion Education***
  Donna Christian, Christopher L. Montone, Kathryn J. Lindholm, and Isolda Carranza
  ISBN-1-88774405-3

  This book profiles two-way immersion programs in three schools that are implementing different variations of the model.

  Available for $15.95 from Delta Systems Inc., 1400 Miller Parkway, McHenry, IL 60050; phone: 1-800-323-8270.

- **Digests (Free)**
  - *Chinese Heritage Community Language Schools in the United States*
  - *Official English and English Plus: An Update*
  - *Teaching ESL Abroad: An Introduction*
  - *Vernacular Dialects in U.S. Schools*

To order, contact ERIC/CLL, Center for Applied Linguistics, 1118 22nd Street NW, Washington, DC 20037–1214; phone: 1–800–276–9834; e-mail: eric@cal.org; Web: (*http://www.cal.org/ericcll*).

From the ERIC Clearinghouse on Rural Education and Small Schools (ERIC/CRESS)

- ***Finding Their Own Place: Youth in Three Small Rural Communities Take Part in Instructive School-to-Work Experiences***, 1997
  Bruce A. Miller and Karen Hahn
  ISBN: 1-880785-18-8, 114 pages, $12

  This book describes school-to-work programs that challenge common beliefs about the lack of work-based learning opportunities for rural youth. Miller and Hahn discuss planning, garnering policy support for innovative approaches, and other factors that contribute to program success.

To order, contact ERIC/CRESS, Appalachia Educational Laboratory, 1031 Quarrier Street, P.O. Box 1348, Charleston, WV 25325–1348; phone: 800–624–9120; e-mail: lanhamb@ael.org; Web: (*http://aelvira.ael.org/erichp.htm*).

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

- **ASHE-ERIC Higher Education Reports**

  The Virtual Campus: Technology and Reform in Higher Education, September 1997
  Gerald C. Van Dusen
  Volume 25, Number 5, $24

  Today there is a pressing need for technology to provide expanded higher education opportunities to an increasingly diverse clientele. This report reviews the assumptions underlying higher education pedagogy and then examines how new technologies not only challenge traditional assumptions, but also support the research on the efficacy of interactive learning and scholarship.

  Early Intervention Programs: Opening the Door to Higher Education, October 1997
  Robert H. Fenske, Christine A. Geranios, Jonathan E. Keller, and David E. Moore
  Volume 25, Number 6, $24

  This report surveys government and private programs designed to encourage the future college enrollment of elementary and secondary students—especially those from underrepresented groups—and promote the direct outreach of collegiate academic programs to the lower schools for the same general purpose. The authors also include a brief review of societal goals for a postsecondary educational system accessible to all socioeconomic groups, evaluations of some early intervention programs, and recommendations for follow-up by college and university administrators.

To order these publications, contact ERIC/HE, The George Washington University, One Dupont Circle, NW, Suite 630, Washington, DC 20036–1183; phone: 1–800–773–3742; e-mail: eriche@eric-he.edu; Web: (*http://www.gwu.edu/~eriche*).

ERIC Users' Interchange is published biannually by ACCESS ERIC.

Editor . . . . Belinda J. Taheri

Look for the next issue in Spring 1998.

Attachment A
ERIC's Response to the Department of Education's Seven Priorities

For more information on these ERIC services and publications, contact ACCESS ERIC at 1-800-538-3742.

Seven Department of Education Priorities for all Students in the United States	***Related ERIC Services***	***Related ERIC Publications***
Priority One: All students will read independently and well by the end of the third grade.	The ERIC Clearinghouse on Educational Management is preparing an article for *Principal* (the magazine of the National Association of Elementary School Principals) on the role of school leadership in implementing programs to improve reading. ERIC played a major role in developing the *Learning To Read, Reading To Learn* campaign, which provided information on learning to read to more than 6,500 teachers, parents, and others.	More than 100 devoted to reading and literacy issues, including: *101 Ways to Help Your Child Learn To Read and Write* *Critical Thinking, Reading, and Writing* *Family ESL Literacy Programs*
Priority Two: All students will master challenging mathematics, including algebra and geometry, by the end of the eighth grade.		*Creative Childhood Experiences in Mathematics and Science: Projects, Activity Series, and Centers for Early Childhood* *Mathematics and Computer-Assisted Instruction* *Reforming Mathematics Instruction for ESL Literacy Students* (in collaboration with the National Clearinghouse on Bilingual Education)
Priority Three: By 18 years of age, all students will be prepared for and able to afford college.	The ERIC Clearinghouse on Higher Education established a new Adjunct ERIC Clearinghouse sponsored by the National Council of Educational Opportunity Associations. The National TRIO Clearinghouse will raise the visibility and accessibility of resources for individuals interested in expanding opportunities for low-income, first generation, and disabled students to attend college.	*College Planning for the Gifted* (a bestseller, currently undergoing its third revision) *Migrant Students Attending College: Facilitating Their Success* (in process) "The Path to College," a special topical issue of *The ERIC Review*
Priority Four: All states and schools will have challenging and clear standards of achievement and accountability for all children and effective strategies for reaching those standards.	Dr. John Patrick, Director of the ERIC Clearinghouse for Social Studies/Social Science Education, has served the National Center for Education Statistics (NCES) and the National Assessment Governing Board (NAGB) in developing the National Assessment for Educational Progress (NAEP) projects in U.S. history and civics. The ERIC Clearinghouse on Counseling and Student Services sponsored a national conference on "Assessment for Change—Changes in Assessment" in January 1998.	"Language Teachers Align Curricula with Standards: Preliminary Results of a National Survey" (ERIC/CLL *News Bulletin*: September 1997) *National Standards for School Health Education* *Professional Standards Development: Teacher Involvement*

BEST COPY AVAILABLE

Attachment A (cont.)
ERIC's Response to the Department of Education's Seven Priorities

For more information on these ERIC services and publications, contact ACCESS ERIC at 1-800-538-3742.

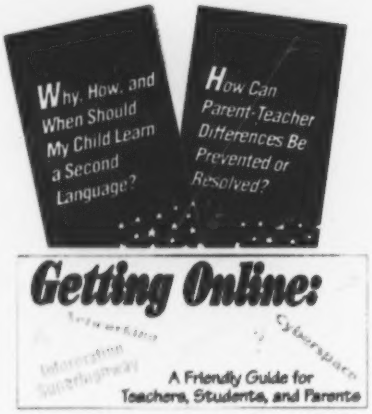
Seven Department of Education Priorities for all Students in the United States	***Related ERIC Services***	***Related ERIC Publications***
Priority Five: There will be a talented, dedicated, and well-prepared teacher in every classroom	The ERIC Clearinghouse on Teaching and Teacher Education: • Partners with Coolidge High School for the Teaching Professions (Washington, D.C.) and 11 other high school programs around the country that encourage minority and other students to enter the teaching profession. • Partners with the National Board for Professional Teaching Standards, National Council for the Accreditation of Teacher Education, National Staff Development Council, National Network for Educational Renewal, and The Holmes Group. • Hosts the ERIC Adjunct Clearinghouse on Clinical Schools (professional development schools).	*Diversifying the Teaching Force: Preparing Paraeducators as Teachers* *Infusing Technology into Preservice Teacher Education* *Professional Teacher Development and the Reform Agenda* Set of 7 ERIC "Info Cards" (also posted on the Web) providing information for those interested in becoming a teacher *Supply and Demand of Teachers of Color*
Priority Six: Every classroom will be connected to the Internet by the year 2000 and all students will be technologically literate	AskERIC and the ERIC Clearinghouse on Information & Technology collaborate with the American Association of School Librarians to host KidsConnect, a question-answering help and referral service for K-12 students on the Internet which offers school library media specialists, teachers, and students the opportunity to learn the skills necessary to navigate on the Information Highway. The ERIC Clearinghouse on Rural Education and Small Schools contributed an article to an Appalachian Educational Laboratory policy brief on the 1996 Telecommunications Act and is disseminating the brief through its current newsletter and catalog. ERIC and the National Parent Information Network (NPIN) sponsored the recent Families, Technology, and Education conference in Chicago, Illinois.	*The Bread and Butter of the Internet: A Primer and Presentation Packet for Educators* *Local Area Networks for K-12 Schools* *K-12 Technology Planning at State, District, and Local Levels* *The National Information Infrastructure: Keeping Rural Values and Purposes in Mind*
Priority Seven: Every school will be strong, safe, drug-free, and disciplined.	The ERIC Clearinghouse on Rural Education and Small Schools is collaborating with the new National Clearinghouse on Educational Facilities to produce a book on the topic of rural facilities planning.	*Drug Abuse Prevention: School-Based Strategies That Work* *HIV/AIDS Education in Teacher Preparation Programs* *National Standards for School Health Education* *Preparing Teachers for Conflict Resolution in the Schools* *Preventing Violence in Schools*

Valuable Resources for You From ACCESS ERIC

ACCESS ERIC announces the availability of valuable resources for parents, educators, administrators, policymakers, librarians, journalists, and students.

Parent Brochures. These friendly, jargon-free brochures addressing questions parents are asking about their children's education are based on recent research and are organized in a question-and-answer format. **Free while supplies last.**

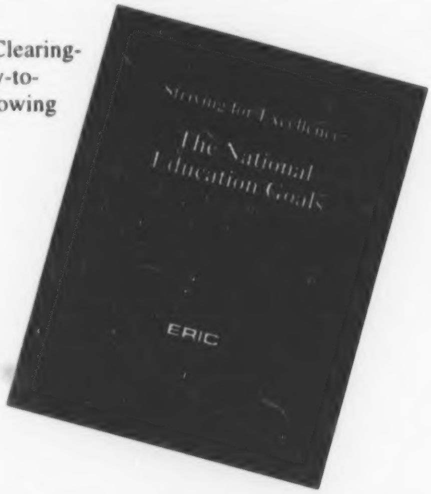
- ☐ Getting Online: A Friendly Guide for Teachers, Students, and Parents
- ☐ How Can I Assess the Development of My Preschooler?
- ☐ How Can We Support Girls in Early Adolescence?
- ☐ How Can I Support My Gifted Child?
- ☐ How Can I Teach My Young Child About the Environment?
- ☐ How Can Parent-Teacher Differences Be Prevented or Resolved?
- ☐ How To Study for and Take College Tests
- ☐ What Should Parents Know About Full-Day Kindergarten?
- ☐ Why, How, and When Should My Child Learn a Second Language?


Why, How, and When Should My Child Learn a Second Language?
How Can Parent-Teacher Differences Be Prevented or Resolved?
Getting Online:
Information Superhighway
Cyberspace
A Friendly Guide for Teachers, Students, and Parents

For electronic copies of these and more than 30 other Parent Brochures from past years, visit the ERIC Web site at *(http://www.aspensys.com/eric/parent.html).*

Striving for Excellence: The National Education Goals, Volume III.

This compilation of ERIC Digests produced by the subject-specialty ERIC Clearinghouses is organized according to the National Education Goals. It offers easy-to-read research summaries for teachers, administrators, and parents on the following topics:

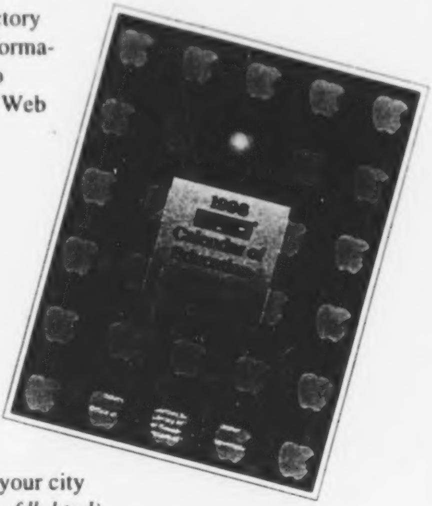

Striving for Excellence
The National Education Goals
ERIC

- ☆ School readiness
- ☆ School completion
- ☆ Student achievement and citizenship
- ☆ Teacher education and professional development
- ☆ Mathematics and science
- ☆ Adult literacy and lifelong learning
- ☆ Safe, disciplined, and alcohol- and drug-free schools
- ☆ Parental participation in education

The 82 Digests in the new volume include such high-interest titles as "Assessing the Development of Preschoolers," "Student Motivation To Learn," "K–12 Technology Planning at State, District, and Local Levels," and "Peer Conflicts in the Classroom." Many of the Digests present the latest thinking in improving instruction, working with subject-area standards, using technology, and involving family and community members in school reform. All Digests are in the public domain and may be reproduced and disseminated freely. $15, including postage and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/pubs.html).*

A full-text searchable collection of these and more than 1,700 other ERIC Digests is maintained at the Department of Education's Web site at *(http://www.ed.gov/databases/ERIC_Digests/index/).*

1998 ERIC Calendar of Education-Related Conferences. Invaluable for planning professional development and networking opportunities, this publication contains entries for more than 500 international, national, and regional education conferences. Each entry includes conference dates, location, topics, sponsor information, and more. $20, including shipping and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/refdb.html).*



ERIC Directory of Education-Related Information Centers 1996. This directory describes the services of more than 450 organizations that offer education information and technical assistance. A comprehensive subject index makes it easy to locate organizations. $17, including shipping and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/refdb.html).*

Catalog of ERIC Clearinghouse Publications 1997. The 1997 *Catalog* lists more than 1,400 research summaries, teaching guides, bibliographies, and monographs produced by the ERIC system and currently available for distribution, many of them for free. The *Catalog* is organized by ERIC component and includes a subject index and ordering information. $12, including shipping and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/catalog)* to access a subset of the *Catalog* online.

Directory of ERIC Resource Collections 1996. This directory includes more than 1,000 locations worldwide that provide access to ERIC information. The directory lists resources available, contact information, and services provided. Find your nearest ERIC resource collection by looking up your city and state. Free, or visit the ERIC Web site at *(http://www.aspensys.com/eric/refdb.html).*

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By e-mail:	acceric@inet.ed.gov
By Web:	http://www.aspensys.com/eric/catalog

ERIC® USERS' INTERCHANGE

Spring/Summer 1998

SPECIAL INTEREST NEWS/FEATURES

The Thesaurus of ERIC Descriptors *and Electronic Publishing: An Oryx Perspective*

The *Thesaurus of ERIC Descriptors* is a popular and widely used reference tool for students and librarians conducting database research in the field of education. It provides a controlled, standardized set of education-related terms established and updated by ERIC lexicographers to assist searchers in defining, narrowing, and broadening their search strategies. Once searchers have found the terms that pertain to their subject, they may then search for these terms in the entire ERIC database or in either of the two subsets of the database: *Current Index to Journals in Education* (*CIJE*)—where they will locate abstracts of journal articles about the subject; or *Resources in Education* (*RIE*)—where they will find abstracts of books, reports, and other nonjournal sources that pertain to their subject.

The Oryx Press

Established in 1975 and headquartered in Phoenix, Arizona, The Oryx Press has published more than 500 print and electronic titles for the school, public, academic, business, and special library markets. Oryx became affiliated with ERIC in 1979 for purposes of publishing ERIC's abstract journal, *Current Index to Journals in Education* (*CIJE*), and began publishing the *Thesaurus of ERIC Descriptors* with the 8th edition in 1980. Since 1980, this partnership between ERIC and Oryx has resulted in five subsequent editions of the *Thesaurus*, the latest being the 13th, published in 1995. "From an Oryx perspective, publishing the *Thesaurus* is a relatively efficient process," explains Magon Kinzie, Oryx Director of Editorial Systems.

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ERIC Directory Update: June 1998
Valuable Resources for You Available From ACCESS ERIC

Source Journal Index *Online*

The Oryx Press recently posted a searchable version of the *CIJE Source Journal Index* on its Web site at (*http://www.oryxpress.com/cije.htm*). The *Source Journal Index* lists all the journals regularly indexed in *Current Index to Journals in Education* (*CIJE*), along with information about subscriptions and the ERIC Clearinghouse responsible for abstracting and indexing articles from each journal.

Oryx welcomes your feedback. You can direct any comments or suggestions about the site to Magon Kinzie, Director of Editorial Systems, at 1–800–279–ORYX (6799) or mkinzie@oryxpress.com.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the *Interchange* Editor, ACCESS ERIC, 2277 Research Boulevard, 7A, Rockville, MD 20850, 1–800–LET–ERIC (538–3742).

(continued from page 1)

"We wait until approximately 200 new terms are added by ERIC before publishing another edition, which is usually about every four years." She continues: "Once ERIC has created a file with all the additions, changes, and deletions of terms, they send it to Oryx to process and publish. Oryx chooses the cover, color, and design of the publication, decides print specifications, and establishes a marketing plan."

Production and maintenance of the *Thesaurus*, from the perspective of the lexicographers in the 16 ERIC Clearinghouses and the ERIC Processing and Reference Facility, is much more complex. The ERIC lexicographers monitor the terminology used in the literature in their own subject areas and propose new terms and term changes, which are then voted on by all of the ERIC lexicographers and a panel of selected users. This can be a time-consuming and complex process. The terminology displayed in the ERIC *Thesaurus* is broad in scope, comprehensive, and up-to-date. The most recent edition contains 10,363 controlled vocabulary terms, allowing students and librarians to focus their searches on the terms specific to their needs, to remain current on new terms, and to carry out their searches more thoroughly, accurately, and efficiently.

The *Thesaurus* Is Made Available on CD-ROM

As electronic access becomes more popular in our society and more electronic products are made available, consumers are increasingly comfortable with the technology and its advantages. The ERIC database became available on CD-ROM in 1985 from SilverPlatter. Less than a year later, Dialog OnDisc appeared; NISC soon followed suit. All of these CD-ROM products eventually included the *Thesaurus*. This was a popular and well-received option with users because it was efficient, convenient, and allowed more frequent updating of terms than the print product offers, as CD-ROM subscribers received quarterly updates. *Thesaurus* usage began to grow via CD-ROM.

According to one reference librarian who began accessing the *Thesaurus* on CD-ROM five years ago, "It has remained a very popular choice with students; they really like the quickness and convenience of the product. I think students are generally gravitating more towards computer-based materials anyway." Another librarian agrees: "We continue to stock about eight printed copies of the *Thesaurus*, but I notice students using the CD-ROM because it's really easy to use and provides more up-to-date terms."

The Internet and the *Thesaurus*

Although the ERIC database had been available through Dialog since the late 1960s, the advent of the World Wide Web provided users with yet another option to access the *Thesaurus*. Internet access of the *Thesaurus* caught on rather quickly because it provided users with instant browsing and multiple-access capabilities. Phyllis Steckler, President of Oryx, noted the change: "As Internet usage increases, people more and more are accessing the *Thesaurus* online. The trend is definitely moving towards electronic access." She continues: "At Oryx, we'll have several of our databases available through the World Wide Web by the end of 1998. For instance, users who access the *Thesaurus* electronically should also be interested in accessing CIJE's *Source Journal Index* electronically. This way, after they carry out their research online, they can immediately link to the journal publication information and ultimately to the journal article." Oryx has posted the *Source Journal Index* on its Web site (http://www.oryxpress.com/cije.htm) in order to provide its users benefits similar to those provided for electronic users of the *Thesaurus*.

What Is the Future of the Printed *Thesaurus*?

According to Steckler, "Sales of the current print edition are down 30 percent from the previous version due to increased availability and access via electronic means. However, this doesn't mean that the printed version will cease. We don't have any plans to eliminate it because we've seen that many people still and probably will always like to have a printed version."

One college librarian at California State University agrees, saying, "Although we have both the CD-ROM and the print product, we stock more of the printed version because we have a limited number of computers. The printed version is cost effective, and it frees up more of our computers for students conducting other research." A Fresno Pacific University reference librarian gave a different reason for accessing the printed version: "Serendipity searching where one can come across a useful term simply by chance is much more difficult using the electronic sources. The printed *Thesaurus* provides the freedom to browse without having to enter in a specific term or parameters." She continued: "Students are far more likely to come across a term they would never have known about if they use the print product. I always recommend it to the students if they are stuck on a term or need a little additional help." Publication of the 14th edition of the *Thesaurus* is scheduled for December 1999.

Call 1–800–LET–ERIC

Need a Current Department of Education Publication? Call ED Pubs

Information dissemination is one of the primary functions of the U.S. Department of Education. To make information easily accessible to all who need it, the Department has created ED Pubs—the Education Publications Center. Teachers, parents, students, administrators, policymakers, researchers, and others with an interest in education can contact ED Pubs by toll-free phone, fax, e-mail, or regular mail to request free copies of publications, posters, videos, CD-ROMs, and other products produced by the Department.

Information is available for all levels of education, including early childhood, elementary/secondary, higher education, and adult education. Publication topics covered include education of disadvantaged and at-risk students; education statistics; financial aid and college planning; math and science; national education goals and priorities; parent, business, and community involvement in education; reading; safe schools; school reform; school-to-work; special education; and technology in education.

Products in alternative formats, such as braille, large print, disks, and captioned videotapes, are also available free of charge. Some of these items are currently in stock, and others will be produced upon request. A number of publications are available in Spanish.

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Telephone Hours of Operation: 9:00 a.m. – 6:00 p.m. eastern time, Monday through Friday.

Of course, the ERIC Document Reproduction Service (EDRS) still provides copies of archival ED publications and those no longer available in paper copy via its toll-free ordering number, 1–800–443–3742, and Web site: (*http://edrs.com*).

ERIC Information Online Update

In this column, we highlight current ERIC services available online, including those available via the Internet and from online and CD-ROM service providers.

ERIC/AE Teams With Amazon.com To Offer an Assessment and Evaluation Bookstore

You can find the latest books on assessment, evaluation, and standards at the new ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) online bookstore (*http://ericae.net/bstore/*).

"For 30 years, ERIC/AE has served as your clearinghouse for journal articles and reports. With this activity, we hope to also be your clearinghouse for commercial books," said the ERIC/AE Director Lawrence Rudner.

This is a unique partnership with amazon.com and a growing number of book publishers. The publishers provide ERIC/AE with the latest books on assessment, evaluation, and standards. ERIC/AE reviews the books for their relevance to the target audience, clarity of expression, contribution to practice, usefulness, and accuracy. ERIC/AE then rates the books and provides links to amazon.com. You can order the books online through amazon.com at the usual amazon.com price.

ERIC/AE invites teachers, administrators, counselors, practitioners, researchers, policymakers, parents, students, and the general public to browse the bookstore and search the catalog for the latest titles on learning styles, grading students, alternative assessment, classroom testing, higher-order thinking skills, testing issues, test construction, research methods, program evaluation, educational statistics, survey design, standards, and school reform.

ERIC/AE's partners for this new venture include amazon.com, Allyn & Bacon, Brookline Books, Corwin Press, Eye on Education, Harcourt Brace, Jossey-Bass, Sage Publications, Longman, and SkyLight Training and Publishing. As of June 26, 1998, more than 200 titles were in the bookstore inventory.

GPO, NLE, and OCLC Join To Offer the FDLP/ERIC Digital Library Project

The Government Printing Office (GPO), the National Library of Education (NLE), and the Online Computer Library Center (OCLC) are joining forces to conduct the Federal Depository Library Program/Educational Resources Information Center (FDLP/ERIC) Digital Library Project. The project will provide selected Federal Depository Libraries access to electronic full-text images of all Department of Education-funded documents added to the ERIC database since 1997 through FirstSearch—OCLC's online reference service designed for library users. The service will be available free of charge to patrons of the selected Federal Depository Libraries participating in the pilot project.

The Department of Education-funded ERIC documents included in this pilot project are a subset of the total ERIC collection of almost 1 million education-related documents and journal articles. Overall, Department of Education-funded documents constitute 10 percent of the entire ERIC database.

The FDLP/ERIC Digital Library Pilot Project is one of several GPO partnerships that match government information producers with library and other institutional resources for electronic storage, dissemination, and access. "Partnerships are a key element to stable, long-term access to electronic government information," said Superintendent of Documents Francis Buckley. "They build on the successful model of cooperation between GPO and local libraries for dissemination of and public access to government information."

"GPO is deeply committed to providing leadership in the transition of government information to electronic form," said Public Printer Michael F. Dimario, head of the Government Printing Office. "The FDLP/ERIC Digital Library Pilot Project is an exciting model partnership that will not only provide a popular series of reports electronically, but can lead the way for other government agencies and the library community in making electronic government information more accessible through the FDLP."

GPO prints and distributes the publications of the legislative, judicial, and executive branches of the federal government. The FDLP provides government publications and information to a network of nearly 1,400 geographically dispersed libraries for comprehensive, equitable, dependable, no-fee local access. Distribution is increasingly occurring via electronic media, in accordance with Public Law 103–40, The Government Printing Office Electronic Information Access Enhancement Act of 1993.

NLE is the largest federally funded library devoted entirely to education. It is the federal government's principal center for one-stop information and referral on education.

OCLC is a nonprofit, membership, computer library service and research organization whose computer network and services link more than 25,000 libraries in 63 countries and territories around the world.

New Payment Options for Electronic ERIC Documents From EDRS

Now you can order ERIC Documents for online delivery in Portable Document Format (PDF) from the ERIC Document Reproduction Service (EDRS). And to make purchasing electronic documents easier, EDRS accepts American Express and Discover credit cards, in addition to MasterCard and Visa. If you prefer, you can still open a Deposit Account from which funds can be deducted automatically each time you place an order. This remains the easiest and fastest way you can get electronic copies of the ERIC documents you need.

Online document delivery is limited to documents published after 1992 and for which EDRS has been granted unrestricted permission to distribute (that is, Level I documents). Electronic documents have a base price of $2.50 plus $0.10 per page for each document ordered. Call EDRS for details at 1–800–443–3742 or send an e-mail message to service@edrs.com.

ERIC on NISC Disc CD-ROM Opens Windows

The ERIC on NISC Disc CD-ROM is a low-cost but fully featured CD-ROM product providing access to the entire ERIC database. Through a special arrangement with NISC, it is offered via the ERIC Processing and Reference Facility either on a single disc or annual subscription basis.

The ERIC NISC Disc for the first quarter of 1998 (January to March) provides users with the option of using either the existing DOS-based version of the ROMWright search and retrieval software or a new Windows 95/NT/98 version. Subscribers do not need to specify in advance which version they prefer. Both versions are on the disc, allowing selection during installation.

The Windows version will eventually have all the features available on the DOS version and many additional features. However, some existing features—such as expanded autodex, rotated index, hierarchical thesaurus module, customer-designed output, save/retrieve search, and print query with search—are still under development in the Windows version and may not be available on the early 1998 disc updates. Features unavailable on the first-quarter disc in 1998 will be added to subsequent quarterly discs throughout the year.

The new Windows-based ROMWright retrieval system will work only on Windows 95/NT/98 systems, not on Windows 3.11 systems. If you are interested in this product, contact the ERIC Facility toll free: 1–800–799–ERIC (3742); e-mail: ericfac@inet.ed.gov; Web: (*http://ericfac.piccard.csc.com*).

Policies and Projects at ERIC/HE

The ERIC Clearinghouse on Higher Education (ERIC/HE) has added two new sections to its Web site:

Government Affairs: Designed to help colleges and universities keep up to date on state and federal policies that might affect them. Visitors will find links to legislation, government initiatives, reports, and key U.S. Department of Education resources. ERIC/HE resources designed to clarify these state and federal policy issues are also included.

Institutional Improvement Projects: Provides colleges and universities with ideas for effecting educational change, including information on ways to obtain funding for related initiatives. Visitors will find links to foundations, government organizations, and innovative association projects and initiatives that can serve as models.

You can visit the new sections of ERIC/HE's Web site at (*http://www.gwu.edu/~eriche*).

New Pathways at Urban Education

The ERIC Clearinghouse on Urban Education (ERIC/UD) has expanded the "Pathways" section of its Web site. Pathways is a listing of Internet resources related to a variety of topics researched by the clearinghouse, including youth violence, family literacy, and bilingual reading instruction. You'll find three new links when you visit the updated site at (*http://eric-web.tc.columbia.edu*):

The Web Weaving Pathway: A compilation of resources related to Web site design and construction that will help you design and build your own Web site.

The Pacific American Student Pathway: Designed to inform teachers, administrators, parents and community leaders about the Asian/Pacific American student population and its educational and cultural characteristics.

The Latino Partnerships Pathway: Highlights the cooperative efforts of universities, businesses, national organizations, and community groups working together to build a supportive network of partnerships for Latino students, their families, and schools. This pathway also provides links to funding opportunities, school partnership publications, and Internet resources that focus on the Latino student population.

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. *Interchange* is pleased to announce the following items:

From the ERIC Clearinghouse for Community Colleges (ERIC/JC)

- **1998 Digests (Free)**
  - Improving Transfer and Articulation Policies
  - Internet Resources for Community College Practitioners
  - Presidents and Trustees in Partnership

- **1998 Bibliographies (Free)**
  - Community College Faculty
  - Economic Development and the Community College
  - Entrepreneurship Education
  - Future of Community Colleges
  - Transfer Students

- ***New Directions for Community Colleges: Integrating Technology on Campus: Human Sensibilities and Technical Possibilities***, 1998
  ISBN: 0–7879–4234–0, 98 pages, $22

  The following chapter reproductions from the above work are available free of charge from ERIC/JC: "Technology as a Catalyst for Reinventing an Institution," "ProjectSYNERGY: An Enduring Collaboration for a Common Cause," and "Planning Comprehensively and Implementing Incrementally in an Age of Tightening Budgets."

To order, contact ERIC/JC, UCLA, P.O. Box 951521, Los Angeles, CA 90024–1521; toll free: 1–800–832–8256; e-mail: ericcc@ucla.edu; Web: (*http://www.gse.ucla.edu/ERIC/eric.html*).

From the ERIC Clearinghouse on Counseling and Student Services (ERIC/CASS)

- *School Counseling: New Perspectives and Practices*, 1998
  Jackie M. Allen, ed.
  ISBN: 1–56109–081–6, 192 pages, $15

  This book contains practical information on school counseling programs and practices. It is useful to both practicing counselors and counselor education students.

- ***Social Action: A Mandate for Counselors***, 1998
  Courtland C. Lee and Garry R. Walz, eds.
  ISBN: 1–55620–213–X , 336 pages, $23.95

  This book explores the role of social action in contemporary counseling practice and provides counselors with the skills to become agents of social change.

For more information contact: ERIC/CASS, University of North Carolina at Greensboro, School of Education, 210 Ferguson, P.O. Box 26171, Greensboro, NC 27402–6171; toll free: 1–800–414–9769; e-mail: ericcass@uncg.edu; Web: (*http://www.uncg.edu/~ericcas2*).

From the ERIC Clearinghouse on Educational Management (ERIC/EA)

- **1998 Digests (Free)**
  - Creating Learning Organizations
  - Teacher Morale

To order, contact ERIC/EA, University of Oregon (Dept. 5207), 1787 Agate Street, Eugene, OR 97403–5207; toll free: 1–800–438–8841; e-mail: ppiele@oregon.uoregon.edu; Web: (*http://eric.uoregon.edu*).

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

ASHE-ERIC Higher Education Reports

- *Proclaiming and Sustaining Excellence: Assessment as a Faculty Role*, 1998
  Karen Maitland Schilling and Karl Schilling
  Volume 26, No. 3, $24

  Focusing on the faculty role in assessment, this monograph traces the major conceptual, methodological, political, and policy advances in assessment over the past decade. Schilling and Schilling chronicle the pervasive spread of assessment activities to campuses across the country, detail sources of faculty resistance to assessment, and comment on several different campus models that have been influential in shaping national conversations about assessment.

- *Assessing Faculty Publication Productivity: Issues of Equity*, 1998
  Elizabeth Creamer
  Volume 26, No. 2, $24

  The absence of women among prolific authors in most academic fields has contributed to the characterization of female faculty as being less productive than their male counterparts. Targeted at academics responsible for designing and implementing faculty reward systems, this monograph synthesizes the literature on faculty performance as a function of publishing productivity within the context of gender and race. The author raises questions about the equity of traditional measures of publication quality and quantity.

For more information or to order, contact ERIC/HE, George Washington University, One Dupont Circle, NW, Suite 630, Washington, DC 20036–1183; toll free: 1–800–773–ERIC (3742); e-mail: eriche@eric-he.edu; Web: (*http://www.gwu.edu/~eriche*).

From the ERIC Clearinghouse for Science, Mathematics, and Environmental Education (ERIC/SMEE)

- **1998 Digests (Free)**
  - Curricula for Teaching About Fractions
  - Graphing Calculators in the Mathematics Classroom
  - Portfolio Assessment in Mathematics Education
  - Science Classrooms for Students With Special Needs
  - Science Fairs in Elementary Schools
- *Elementary Teachers Do Science: Guidelines for Teacher Preparation Programs*, 1998
  Carol L. Stuessy and Julie A. Thomas
  126 pages, $22.95
- *Scientists and Mathematicians Become School Teachers*, 1998
  Billie F. Risacher, ed.
  134 pages, $22.95
- *Research in Science Education*, 1998
  David L. Haury, ed.
  96 pages, $10.95

For more information or to order, call ERIC/CSMEE, The Ohio State University, 1929 Kenny Road, Columbus, OH 43210–1080; toll free: 1–800–276–0462; e-mail: ericse@osu.edu; Web: (*http://www.ericse.org*).

From the ERIC Clearinghouse on Teaching and Teacher Education (ERIC/SP)

- *Of Course It Matters: Putting the National Commission Report Into Action*, 1998
  Mary E. Dilworth, ed.
  ISBN: 0–89333–165–1, 80 pages, $20

  This book examines the agenda proposed by the National Commission on Teaching and America's Future as outlined in its report *What Matters Most*.
- *Resources on Professional Development Schools: An Annotated Bibliography and Resource Guide* (2nd ed.), 1997
  Ismat Abdal-Haqq, ed.
  ISBN: 0–89333–158–9, 80 pages, $18

  This book contains more than 150 annotations and abstracts of recent journal articles, conference papers, research reports, books, and other print and online resources related to professional development schools.
- *Critical Knowledge for Diverse Teachers & Learners*, 1997
  Jacqueline Jordan Irvine, ed.
  ISBN: 0–89333–149–X, 236 pages, $35

  This monograph offers insight into the knowledge required of preservice and inservice teachers who work with children of diverse backgrounds.

For more information or to order, contact ERIC/SP, AACTE, One Dupont Circle, NW, Suite 610, Washington, DC 20036–1186; toll free: 1–800–822–9229; e-mail: query@aacte.nche.edu; Web: (*http://www.ericsp.org*).

ERIC Users' Interchange is published biannually by ACCESS ERIC.

Editor .... Belinda J. Taheri

Special thanks to Linda Gorman of The Oryx Press for writing the lead article, and to Ted Brandhorst and Kathleen McLane for their editorial assistance.

Look for the next issue in Fall 1998.

ERIC Directory

Educational Resources Information Center (ERIC)
U.S. Department of Education
Office of Educational Research and Improvement
National Library of Education
555 New Jersey Avenue NW
Washington, DC 20208–5721
Phone: (202) 219–2221
Web: http://www.ed.gov

Clearinghouses

Adult, Career, and Vocational Education
The Ohio State University
1900 Kenny Road
Columbus, OH 43210–1090
Phone: (614) 292–4353; (800) 848–4815
Web: http://ericacve.org

Assessment and Evaluation
The Catholic University of America
1129 Shriver Hall
College Park, MD 20742
Phone: (301) 405–7449; (800) GO4–ERIC (464–3742)
Web: http://ericae.net

Community Colleges
University of California at Los Angeles
3051 Moore Hall
P.O. Box 951521
Los Angeles, CA 90095–1521
Phone: (310) 825–3931; (800) 832–8256
Web: http://www.gseis.ucla.edu/ERIC/eric.html

Counseling and Student Services
School of Education
201 Ferguson Building, P.O. Box 26171
University of North Carolina at Greensboro
Greensboro, NC 27412–5001
Phone: (336) 334–4114; (800) 414–9769
Web: http://www.uncg.edu/~ericcas2

Disabilities and Gifted Education
The Council for Exceptional Children
1920 Association Drive
Reston, VA 20191–1589
Phone: (703) 264–9474; (800) 328–0272
TTY: (703) 264–9449
Web: http://www.cec.sped.org/ericec.htm

Educational Management
5207 University of Oregon
1787 Agate Street
Eugene, OR 97403–5207
Phone: (541) 346–1684; (800) 438–8841
Web: http://eric.uoregon.edu

Elementary and Early Childhood Education
University of Illinois at Urbana–Champaign
Children's Research Center
51 Gerty Drive
Champaign, IL 61820–7469
Phone: (217) 333–1386; (800) 583–4135
Web: http://ericeece.org
National Parent Information Network
Web: http://npin.org

Higher Education
The George Washington University
One Dupont Circle NW, Suite 630
Washington, DC 20036–1183
Phone: (202) 296–2597; (800) 773–ERIC (3742)
Web: http://www.gwu.edu/~eriche/

Information & Technology
Syracuse University
4–194 Center for Science and Technology
Syracuse, NY 13244–4100
Phone: (315) 443–3640; (800) 464–9107
AskERIC E-mail: askeric@askeric.org
ERIC/IT Web: http://ericir.syr.edu/ithome
AskERIC Web: http://www.askeric.org

Languages and Linguistics
Center for Applied Linguistics
1118 22nd Street NW
Washington, DC 20037–1214
Phone: (202) 429–9292; (800) 276–9834
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University, Smith Research Center
2805 East 10th Street, Suite 150
Bloomington, IN 47408–2698
Phone: (812) 855–5847; (800) 759–4723
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
Appalachia Educational Laboratory
1031 Quarrier Street
P.O. Box 1348
Charleston, WV 25325–1348
Phone: (304) 347–0400; (800) 624–9120
TTY: (304) 347–0448
Web: http://www.ael.org/eric

Science, Mathematics, and Environmental Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210–1080
Phone: (614) 292–6717; (800) 276–0462
Web: http://www.ericse.org

Social Studies/Social Science Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~ssdc/eric_chess.htm

Teaching and Teacher Education
American Association of Colleges for Teacher Education
One Dupont Circle NW, Suite 610
Washington, DC 20036–1186
Phone: (202) 293–2450; (800) 822–9229
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Main Hall, Room 303, Box 40
New York, NY 10027–6696
Phone: (212) 678–3433; (800) 601–4868
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
301 Maple Avenue West, Suite 602
Vienna, VA 22180
Phone: (800) 616–2242
Web: http://nccic.org

Clinical Schools
American Association of Colleges for Teacher Education
One Dupont Circle NW, Suite 610
Washington, DC 20036–1186
Phone: (202) 293–2450; (800) 822–9229
Web: http://www.aacte.org/menu2.html

Consumer Education
National Institute for Consumer Education
207 Rackham Building
Eastern Michigan University
Ypsilanti, MI 48197
Phone: (313) 487–2292
Web: http://www.emich.edu/public/coe/nice

Entrepreneurship Education
The Center for Entrepreneurial Leadership
Ewing Marion Kauffman Foundation
4900 Oak Street
Kansas City, MO 64112–2776
Phone: (310) 206–9549; (888) 4–CELCEE (423–5233)
Web: http://www.celcee.edu

ESL Literacy Education
Center for Applied Linguistics
1118 22nd Street NW
Washington, DC 20037–1214
Phone: (202) 429–9292, Extension 200
Web: http://www.cal.org/ncle

International Civic Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408
Phone: (812) 855–3838; (800) 266–3815

Law-Related Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~ssdc/lre.html

National TRIO Clearinghouse
National Council of Educational Opportunity Associations
1025 Vermont Avenue NW, Suite 900
Washington, DC 20005
Phone: (202) 347–2218
Web: http://www.trioprograms.org

Service Learning
University of Minnesota
College of Education and Human Development
1954 Buford Avenue, Room R-460
St. Paul, MN 55108
Phone: (612) 625–6276; (800) 808–SERV (7378)
Web: http://www.nicsl.coled.umn.edu

Test Collection
Educational Testing Service
Princeton, NJ 08541
Phone: (609) 734–5737
Web: http://ericae.net/testcol.htm

U.S.–Japan Studies
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~japan

Affiliate Clearinghouse

National Clearinghouse for Educational Facilities
ERIC Program Office
555 New Jersey Avenue NW
Washington, DC 20208–5721
Phone: (202) 219–1655; (888) 552–0624
Web: http://www.edfacilities.org

Support Components

ACCESS ERIC
2277 Research Boulevard, 7A
Rockville, MD 20850
Phone: (301) 519–5789; (800) LET–ERIC (538–3742)
Web: http://www.aspensys.com/eric

ERIC Document Reproduction Service (EDRS)
DynEDRS, Inc.
7420 Fullerton Road, Suite 110
Springfield, VA 22153–2852
Phone: (703) 440–1400; (800) 443–ERIC (3742)
Web: http://edrs.com

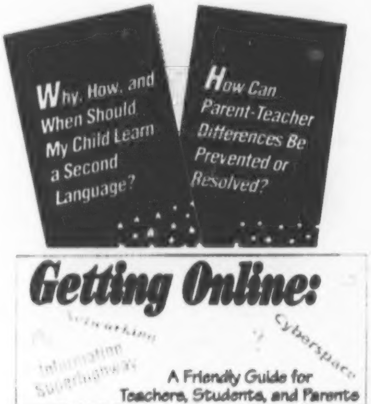
ERIC Processing and Reference Facility
Computer Sciences Corporation
1100 West Street, Second Floor
Laurel, MD 20707–3598
Phone: (301) 497–4080; (800) 799–ERIC (3742)
Web: http://ericfac.piccard.csc.com

Valuable Resources for You From ACCESS ERIC

ACCESS ERIC announces the availability of valuable resources for parents, educators, administrators, policymakers, librarians, journalists, and students.

Parent Brochures. These friendly, jargon-free brochures addressing questions parents are asking about their children's education are based on recent research and are organized in a question-and-answer format. **Free while supplies last.**

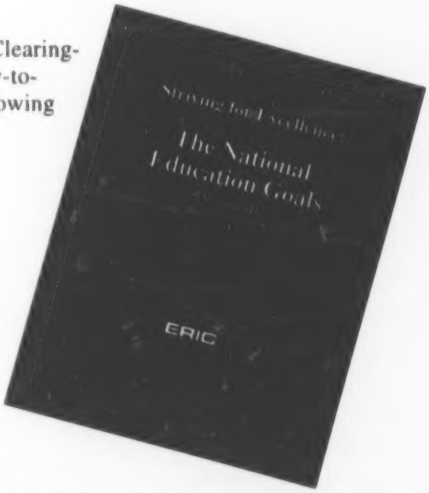
- ☐ Getting Online: A Friendly Guide for Teachers, Students, and Parents
- ☐ How Can I Assess the Development of My Preschooler?
- ☐ How Can We Support Girls in Early Adolescence?
- ☐ How Can I Support My Gifted Child?
- ☐ How Can I Teach My Young Child About the Environment?
- ☐ How Can Parent-Teacher Differences Be Prevented or Resolved?
- ☐ How To Study for and Take College Tests
- ☐ What Should Parents Know About Full-Day Kindergarten?


Why, How, and When Should My Child Learn a Second Language?
How Can Parent-Teacher Differences Be Prevented or Resolved?
Getting Online:
Networking
Information Superhighway
Cyberspace
A Friendly Guide for Teachers, Students, and Parents

For electronic copies of these and more than 30 other Parent Brochures from past years, visit the ERIC Web site at *http://www.aspensys.com/eric/resources/parent/parent.html*

Striving for Excellence: The National Education Goals, Volume III.

This compilation of ERIC Digests produced by the subject-specialty ERIC Clearinghouses is organized according to the National Education Goals. It offers easy-to-read research summaries for teachers, administrators, and parents on the following topics:


Striving for Excellence:
The National Education Goals
ERIC

- ☆ School readiness
- ☆ School completion
- ☆ Student achievement and citizenship
- ☆ Teacher education and professional development
- ☆ Mathematics and science
- ☆ Adult literacy and lifelong learning
- ☆ Safe, disciplined, and alcohol- and drug-free schools
- ☆ Parental participation in education

The 82 Digests in the new volume include such high-interest titles as "Assessing the Development of Preschoolers," "Student Motivation To Learn," "K–12 Technology Planning at State, District, and Local Levels," and "Peer Conflicts in the Classroom." Many of the Digests present the latest thinking in improving instruction, working with subject-area standards, using technology, and involving family and community members in school reform. All Digests are in the public domain and may be reproduced and disseminated freely. $15, including postage and handling, or visit the ERIC Web site at (http://www.aspensys.com/eric/resources/strive/strivtoc.html)

A full-text searchable collection of these and more than 1,900 other ERIC Digests is maintained at the Department of Education's Web site at *(http://www.ed.gov/databases/ERIC_Digests/index/)*.

1998 ERIC Calendar of Education-Related Conferences. Invaluable for planning professional development and networking opportunities, this publication contains entries for more than 500 international, national, and regional education conferences. Each entry includes conference dates, location, topics, sponsor information, and more. $20, including shipping and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/calendar/calendar.html)*

ERIC Directory of Education-Related Information Centers 1998. This directory describes the services of more than 450 organizations that offer education information and technical assistance. A comprehensive subject index makes it easy to locate organizations. $17, including shipping and handling, or visit the ERIC Web site at *(http://www.ed.gov/BASISDB/EROD/direct/SF)*

Catalog of ERIC Clearinghouse Publications 1998. The 1998 *Catalog* lists more than 1,400 research summaries, teaching guides, bibliographies, and monographs produced by the ERIC system and currently available for distribution, many of them for free. The *Catalog* is organized by ERIC component and includes a subject index and ordering information. $12, including shipping and handling, or visit the ERIC Web site at *(http://www.aspensys.com/eric/catalog)* to access a subset of the *Catalog* online.

Directory of ERIC Resource Collections 1996. This directory includes more than 1,000 locations worldwide that provide access to ERIC information. The directory lists resources available, contact information, and services provided. Find your nearest ERIC resource collection by looking up your city and state. Free, or visit the ERIC Web site at *(http://www.ed.gov/BASISDB/EROD/direct/SF)*

ORDER FORM

	Quantity	*Price*	*Total*
Parent Brochures: Entire set (8 brochures)	set(s)	Free	
Individual titles (check boxes on front)		Free	
Striving for Excellence: The National Education Goals, Volume III		$15*	
1998 ERIC Calendar of Education-Related Conferences		$20*	
ERIC Directory of Education-Related Information Centers 1998		$17*	
Catalog of ERIC Clearinghouse Publications 1998		$12*	
Directory of ERIC Resource Collections 1996		Free	
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ACCESS ERIC
2277 Research Boulevard, MS 7A
Rockville, MD 20850

You may also order:

By phone: 1–800–LET–ERIC (538–3742)
By fax: 301–519–6760
By e-mail: acceric@inet.ed.gov
By Web: http://www.aspensys.com/eric/catalog

ERIC® USERS'
INTERCHANGE
Winter 1998/1999

SPECIAL INTEREST NEWS/FEATURES

ED Pubs and ERIC: Your Best Bet for Getting Copies of Department of Education Publications

When you need a copy of a U.S. Department of Education publication, the first place to call is ED Pubs, the Education Publications Center, at 1–877–4ED–Pubs (433–7827). More than 1,000 titles are available free from ED Pubs, including these popular publications:

- *America Reads Challenge: Read*Write*Now! Activities for Reading and Writing Fun*
- *The Condition of Education, 1998*
- *Getting Ready for College Early: A Handbook for Parents of Students in the Middle and Junior High School Years*
- *Safeguarding Your Technology: Practical Guidelines for Electronic Education Information Security*
- *The Status of Academic Libraries in the United States: Results From the 1994 Academic Library Survey With Historical Comparisons: Survey Report, September 1998*

ED Pubs opened its doors in May 1998, and word is spreading quickly. If you purchased a Happy Meal from McDonald's in the last few months, you probably received a copy of *A Parent's Guide: Getting Comfortable With Computers [Even If You Don't Have One]*, a brochure full of suggestions for parents. The first resource listed in the brochure is *A Parent's Guide to the Internet*, available from ED Pubs. ED Pubs also distributes material for the Safe and Drug Free Schools program. You may have seen ads in *The Yellow Pages*, in your newspaper, or on TV offering free drug prevention brochures; these ads have resulted in thousands of calls to ED Pubs.

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ERIC Clearinghouse Contractor List/ERIC Directory Update: January 1999

ERIC Clearinghouses Stay Put Another 5 Years

The Department of Education announced the award of 16 new 5-year contracts to operate the ERIC Clearinghouses. The contracts, administered by the National Library of Education, will run from January 1, 1999 to December 31, 2003. All 16 incumbents were re-awarded their respective operations. The attachment to this issue of *Interchange* includes Clearinghouse sponsor and contact information.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the *Interchange* Editor, ACCESS ERIC, 2277 Research Boulevard, Rockville, MD 20850, 1–800–LET–ERIC (538–3742).

(continued from page 1)

In August, the Univision cable channel aired public service announcements for Spanish-speaking audiences promoting free materials to encourage parents' involvement in their children's education. ED Pubs received more than 750 calls the Saturday these ads first aired. There are Spanish-speaking Customer Service Representatives on duty at ED Pubs at all times. If you need publications in Spanish, ED Pubs has more than 30 titles to offer, including:

- *¡Juguemos a las Matemáticas!* (*Let's Do Math!*) and *¡Juguemos a las ciencias!* (*Let's Do Science!*), two of fifteen titles from "The Learning Partners Series," which includes short publications for parents and caregivers covering topics that will help children do well in school. Each publication offers specific activities that are easy and fun to do at home with children in preschool through sixth grade.
- *Las preguntas que hacen los padres sobre la escuela* (*Questions Parents Ask About Schools*)
- *Proveer igualdad de oportunidades educativas para los estudiantes con conocimientos limitados del idioma ingles* (*Provision of an Equal Education Opportunity to Limited English Proficient Students*)

ED Pubs is also a source for nonprint materials, including videotapes of Secretary Richard Riley's Satellite Town Meetings, posters like *Checklist for Helping Your Child With Homework*, and CD-ROMs from the National Center for Education Statistics. Products in alternative formats—such as braille, large print, disks, and captioned videotapes—are also available for free. (Some of these items are kept in stock; others will be produced upon request.)

You can search for and order items from ED Pubs on the Internet. The ED Pubs Online Ordering System <http://www.ed.gov/pubs/edpubs.html> includes links to electronic full-text copies of many publications, as well as the option of ordering a paper copy. A "What's New" feature shows you everything that's been published in the last 90 days.

A fax-on-demand service offers copies of short publications. To access this 24-hour service, call the ED Pubs toll-free number and listen to the brief menu prompts. Examples of fax-on-demand publications are: *Families' Guide to the 1997 Tax Cuts for Education*, *TV Viewing and Parental Guidance*, and *Manual on School Uniforms*.

ED Pubs and ERIC

If you request an older ED publication that is not available from ED Pubs, there's a very good chance it will be available from the ERIC Document Reproduction Service (EDRS). ED Pubs Customer Service Representatives are all trained to search the ERIC database and provide customers with ED (ERIC Document) numbers and information on how to order from EDRS. If a Customer Service Representative can't locate the title you seek, you'll be transferred to an Information Specialist who will search the Internet and other sources like the National Library of Education's collection to track down what you need.

So, if you think a publication was produced by the Department of Education and you'd like a copy, ED Pubs is the first place to call. Many ED publications are also available for a fee from the Government Printing Office, but it's smart to check ED Pubs first to see if free copies are available.

P.O. Box 1398
Jessup, MD 20794–1398
Toll Free: 877–4ED–Pubs (433–7827)
Toll Free TTY/TDD: 877–576–7734
Fax: 301–470–1244
E-mail: edpubs@inet.ed.gov
Web: http://www.ed.gov/pubs/edpubs.html

Telephone Hours of Operation: 9:00 a.m. – 6:00 p.m. eastern time, Monday through Friday.

ERIC Annual Report 1998 *Now Available*

Each year ACCESS ERIC, in conjunction with the ERIC Program Office at the U.S. Department of Education, produces the *ERIC Annual Report*, a summary of ERIC's recent accomplishments. The 1998 edition includes statistical and narrative ERIC highlights for the 1997 calendar year and is now available on the ERIC systemwide Web site at <http://www.accesseric.org:81/resources/annual98/index.html>. For a free copy while supplies last, call ACCESS ERIC at 1–800–LET–ERIC (538–3742) or send an e-mail request to accesseric@accesseric.org.

Rising Expectations: A Framework for ERIC's Future in the National Library of Education

A task force comprised of ERIC Clearinghouse and support component directors has developed an operations framework, entitled *Rising Expectations: A Framework for ERIC's Future in the National Library of Education*, to guide ERIC as a 21st-century information service. The task force believes that the rising expectations of patrons in a networked electronic world can't be accommodated by a system originally designed in the 1960s. Therefore, task force members have given thought to possible future directions and have described the types of work ERIC must do in the future if its patrons are to continue receiving the excellent service they have come to expect.

The report highlights two dilemmas that challenge ERIC's continued ability to deliver what patrons expect. The first concerns ERIC's historical legacy of efficient operations. While per-pupil expenditures have *doubled* and federal education expenditures have *quadrupled* (in constant dollars) in the past three decades, ERIC's resources have been *cut by 80 percent*. Although the system has flourished despite such funding adversity, such success can be an Achilles' heel. The second dilemma is that ERIC is still geared to handling paper documents in an emerging electronic age. How these dilemmas are managed will determine the degree to which ERIC can continue to effectively serve an essential public interest.

The report recommends the following four principles of a new operations framework for ERIC:

> Sustain and increase ERIC's capacity to meet rising expectations in the information age.
>
> Think of ERIC as a key, load-bearing wall as the National Library of Education is built.
>
> Foster ERIC as the primary place for organizing, linking, describing, and making accessible all education resources in all formats.
>
> Develop to a higher level ERIC's historic capacity to create useful and authoritative syntheses, analyses, and interpretations—the substantive intellectual output of each of ERIC's 16 clearinghouses.

Paper copies of *Rising Expectations* are available from ACCESS ERIC. Send an e-mail request to accesseric@accesseric.org or call 1-800-LET-ERIC (538-3742).

EDRS Unveils New Electronic Document Subscription Service and New Prices

In response to the growing need of research institutions and their patrons to have immediate access to ERIC materials, the ERIC Document Reproduction Service (EDRS) has created E*Subscribe, a new electronic document subscription service. The new service features access to the ERIC database and to electronic page images of the documents described in the ERIC database; search manager capabilities (save, reactivate, and modify frequently searched topics); electronic delivery of page images in Adobe Acrobat (PDF) format; and ordering capability for documents not available electronically. The service premiered in January by offering subscribers access to one full year of ERIC documents; access will eventually expand to include document page images from 1996 to the present. For more information, visit the EDRS Web site at <http://orders.edrs.com/> or call 1-800-443-3742.

New EDRS Prices (Microfiche and Paper Copy)

EDRS has set new prices for ERIC documents, including collection subscriptions in microfiche and on-demand documents in microfiche and paper copy. Prices increased 3 percent for all ERIC products effective January 1, 1999 with the exception of on-demand electronic documents which will remain $2.50 per document base price, plus $0.10 per page, through the first quarter of 1999. The new 1999 prices for EDRS products are as follows:

Document Collections	
▪ Monthly Subscription Microfiche	
Silver, per card	$.2994
Diazo, per card	$.1463
▪ Annual Subscription, Diazo	~$2,800
▪ Back Collections, 1966 to present month	
Diazo, per card	$.1722
▪ Clearinghouse Collections	
Diazo, per card	$.3151
On-Demand Documents	
▪ Microfiche	
Per title (Up to 5 fiche/480 pages)	$1.47
Additional fiche, per card	$0.25
▪ Reproduced Paper	
Each 25-page increment or part thereof	$4.33

Updated order forms are now available from EDRS by calling 1-800-443-3742.

Call 1–800–LET–ERIC

Journal Article Document Delivery Update

The journals, periodicals, and other serials from which ERIC selects articles to announce in *Current Index to Journals in Education* (*CIJE*) are copyrighted, and their publishers are understandably protective of their reproduction rights. Since ERIC began abstracting and indexing journal article citations with the publication of the first issue of *CIJE* in 1969, it has left the service of journal article document delivery to the commercial organizations. These organizations make their money by charging customers for locating and reproducing the articles they need and then paying the article publishers any copyright fees incurred.

The Internet is changing the way the world does business, including the business of providing journal article document delivery services. There is a growing trend in the document delivery industry for companies to offer customers the electronic full-text versions of the articles they seek via their company Web sites, rather than taking customers' orders and mailing or faxing the requested articles after the fact. The companies do this by concentrating their energies (and dollars) on scanning new materials as they are published and encoding them for Web access as either scanned or PDF images, or both. While this means that customers can have almost instant access to the materials they need, it also means that older materials (in most cases, those published before the mid-1990s) can't be made available electronically unless or until the document delivery companies take the time (and incur the added expense) to retrospectively scan and encode these materials. This trend is starting to impact the way ERIC customers can and should seek out the education articles that they see abstracted in *CIJE* and would like to obtain in full text.

Usually, ERIC refers customers who want to order the full text of journal articles abstracted in *CIJE* to one of two document delivery services: University Microfilms Incorporated (UMI) or The UnCover Company, both of which have historically provided document reproduction services for approximately 50 percent of the titles announced in *CIJE*. For journals not covered by these two organizations, ERIC has referred customers to information brokers (who also charge a service fee) or to the interlibrary loan services of their own local university/research libraries.

UMI recently announced that as of January 1 it is no longer maintaining its InfoStore from which individuals can order article reprints. This means that it has ceased its journal article reprint service for the thousands of journals in its microfilm archive (often going back to the time of inception of the journal). Instead, UMI now directs users to its new ProQuest Direct online service. ProQuest is a subscription service marketed to institutions, in contrast to an on-demand service like the InfoStore for individuals. It offers Web access to nearly 7,000 periodicals with the availability of full-text articles from some 2,000 to 3,000 of these titles.

ERIC recently examined the list of 562 distinct journals included in the ProQuest Direct "Education Complete" subgroup. Of these 562 titles, 500 are covered by *CIJE* and 62 aren't. This means that of the 1,000 journals currently covered in *CIJE*, 500 (50 percent) are covered by ProQuest. However, since ProQuest is based not on microfilm archiving, but on scanning the journal into electronic form, the ProQuest service only supplies articles published since scanning began—in most cases, this date is in the early- to mid-1990s. UMI now refers customers to the other reprint services or to their local university/research libraries for earlier articles.

As this trend toward the provision of electronic full-text articles on Web sites continues, more and more services may stop maintaining archive files for articles published before the mid-1990s and only offer recent materials in electronic full-text. Some providers may work backward to scan materials from earlier years, but until this happens, if you are an ERIC customer in need of articles form earlier years, ERIC may refer you to an information broker knowledgeable in serial holdings, to your local university/research library, or to journal publishers to find the articles you need.

Related Resources

UMI ProQuest Direct
1-800-521-3042
1-800-521-0600 x3781
<http://www.umi.com/proquest>

The UnCover Company
1-800-787-7979
<http://www.carl.org/uncover>

Oryx Press (up-to-date list of journals covered by ERIC's *CIJE*)
1-800-279-6799
Source Journal Index/Database
<http://www.oryxpress.com>

Information Brokers (selected):

Advanced Information
734-459-9090

Information Express
650-494-8787

Infotrieve
1-800-422-4633
orders@infotrieve.com

Plus Information Service
619-534-8622
caplus@ucsd.edu

Call 1-800-LET-ERIC

NCEF Contract Awarded

The National Library of Education is pleased to announce that the contract to operate and direct the National Clearinghouse for Educational Facilities (NCEF) has been awarded to the National Institute of Building Sciences (NIBS). Established in 1974 as a nonprofit, non-governmental organization, NIBS serves the public and private sectors as an authoritative source of information and advice on building science and technology. As such, NIBS identifies and resolves problems that hinder, or could hinder, the construction of safe, affordable structures for housing, commerce, and industry throughout the United States. The ability to bridge the gap between the government and the construction industry, expertise in information gathering and dissemination, and a reputation for performing in a sound, timely, and cost-effective manner, uniquely qualify NIBS to operate NCEF.

NCEF

NCEF acquires, manages, and disseminates information related to the design, construction, and maintenance of educational facilities. William A. Brenner, AIA (American Institute of Architects), former Vice President of NIBS, is now NCEF's director. In addition to his experience in building science and technology, Mr. Brenner holds a bachelor's degree in architecture and advanced degrees in urban planning and business administration.

For more information, contact:

National Clearinghouse for Educational Facilities
1090 Vermont Avenue, NW, Suite 700
Washington, DC 20005–4905
Toll free: 1–888–552–0624
E-mail: ncef@nibs.org
Web: <http://www.edfacilities.org>

ERIC Information Online Update

In this column, we highlight current ERIC services available online, including those available via the Internet and from online and CD-ROM service providers, as appropriate.

ERIC/AE Adds Computer Adaptive Testing Tutorial

If you're an educator who'd like to know more about computer adaptive testing (CAT) as an emerging alternative to traditional paper-and-pencil assessment, drop by the ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) Web site. Director Larry Rudner and the ERIC/AE staff have added a comprehensive, interactive CAT tutorial, the latest in a series of Web site enhancements allowing visitors to continue surfing the leading edge of Internet technology.

The new tutorial opens with a hyperlinked table of contents. Listed first is the interactive demo—a computer adaptive test that illustrates how CAT works. But if you're not familiar with CAT, scan down the table of contents and explore the first few links listed under "Background." There you'll find brief explanations of CAT, Item Response Theory, and measurement terms and concepts used throughout the tutorial.

The best part of the tutorial is the interactive demo, which consists of a set of multiple-choice questions taken from the National Assessment of Educational Progress (NAEP) 8th-Grade Mathematics Test. For those of you with math anxiety, and in the spirit of the demo's illustrative nature, each question is presented with its correct answer and you can end the test at any time.

The demo displays and explains the charts, graphs, and functions that change in response to your answers, so feel free to experiment with the questions. When you end the test, the demo shows your item response history, and it graphs information concerning assessment accuracy.

(continued on page 6)

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As stated in its table of contents, you'll benefit more fully from the tutorial if you have had previous exposure to statistics or measurement. ERIC/AE's CAT tutorial, however, does present the basics of CAT for the novice and provides more comprehensive information for the seasoned assessment professional.

Explore the new CAT tutorial today on the ERIC/AE Web site at <http://ericae.net/scripts/cat/catdemo.htm>. For more information, call the clearinghouse at 1–800–464–3742.

Full ERIC Database Now on ERIC/IT and AskERIC Web Sites

You can now search the full ERIC database (1966 to present) on the ERIC Clearinghouse on Information & Technology (ERIC/IT) and AskERIC Web sites. Also note that the PL Web search engine no longer limits search results to 100 citations. Simply use the "next" and "previous" options at the top of the results page.

Visit the ERIC/IT site and try the new search engine at <http://ericir.syr.edu/eric/>. If you have any problems with the software or data, call ERIC/IT at 1–800–464–9107.

AskERIC Adds Hot Topics

AskERIC recently expanded the Q&A (Question and Answer) section of its Web site. Visitors will now find a "Hot Topics" area reflecting emerging trends in the questions that AskERIC receives. "Distance Education" and "The Benefits of Technology" top the current list, which will be updated and changed periodically.

Each topic is hyperlinked to pages of related electronic and other resources, including Web sites, electronic mailing list information, ERIC literature, and organizations. Designed to be introductory in nature, rather than exhaustive, the resources represent the type of information included in a typical AskERIC response.

Visit the new Hot Topics section of the AskERIC Web site today at <http://www.askeric.org/Qa/>.

ERIC/FL Adds FAQs

In December, the ERIC Clearinghouse on Languages and Linguistics (ERIC/FL) added a "Frequently Asked Questions" (FAQ) section to its Web site. The new section provides answers (with numerous links and references) to the following questions:

- When should children learn another language?
- What are the benefits of early language learning?
- How effective is bilingual education?
- Where can I find out about openings for positions teaching English abroad? What should I do to prepare?

You can review the new FAQs at <http://www.cal.org/ericcll/faqs/>.

Check Out the Newly Designed ERIC/CRESS Web Site <http://www.ael.org/eric/>

The Web site for the ERIC Clearinghouse on Rural Education and Small Schools (ERIC/CRESS) has undergone a reorganization and expansion. A continually updated list of related conferences and workshops has been added as well as directories of organizations and resources for each major element of the clearinghouse's scope (American Indians, Alaska Natives, Mexican Americans, migrants, outdoor education, rural education, and small schools). A new feature, "Noteworthy Books and Resources," describes the best of the materials received at ERIC/CRESS from all sources, domestic and international. New links, publications, and conferences are added bimonthly.

NCLE Update

In collaboration with the National Institute for Literacy (NIFL) and the Western/Pacific Literacy Network, the Adjunct ERIC Clearinghouse for ESL Literacy Education (NCLE) has developed an ESL Special Collection on the Web at <http://literacynet.org/esl/>. The collection highlights Web resources related to teaching English to adult immigrants and leans heavily on the clearinghouse site at <http://www.cal.org/ncle>. NCLE also moderates the NIFL-ESL listerv of 648 subscribers for the National Institute. You'll find subscription information on the site.

ERIC/ACVE Update

The ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE) Web site has a new URL and has been updated and revamped. Among the changes and improvements are:

- ✓ A new, easy-to-remember URL
- ✓ Search engine for full-text publications
- ✓ Online ordering of paper copies of products
- ✓ User publications available in PDF format
- ✓ A user feedback form
- ✓ Summaries of ERIC/ACVE major publications with ordering information
- ✓ An annotated list of related links

Be sure to change the links from your site to the new ERIC/ACVE site at <http://ericacve.org>. If you have questions and/or comments about the site, contact Judy Wagner: phone: 614–292–8625; toll free: 1–800–848–4815 x 28625; e-mail: wagner.6@osu.edu.

The ERIC/ACVE read-only listserv is a success. More than 400 subscribers receive announcements of new products, conference presentations and exhibits, full-text of all ERIC user products, and other information of interest to the adult, career, vocational, technical, and training communities.

To subscribe to the ERIC/ACVE listserv, send the following message "subscribe ericacve <firstname lastname> to: listserver@lists.acs.ohio-state.edu. Leave the subject line blank and do not use a signature file. If you have any questions about the listserv, contact Judy Wagner at wagner.6@osu.edu.

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. *Interchange* is pleased to announce the following items:

From ACCESS ERIC

- **Parent Brochures**
  - *Getting Online: A Friendly Guide for Parents, Teachers, and Students* (Reprint)
  - *How Can I Encourage My Young Child To Read?*
  - *What Can Parents and Teachers Do If an Adolescent Begins To Fail in School?*
  - *What Should Parents and Teachers Know About Bullying?*
  - *Why, How, and When Should My Child Learn a Second Language? (Reprint)*

- ***The ERIC Review* (Free)**
  - "K–12 Foreign Language Education," Volume 6, Number 1
  - "The Path to College," Volume 5, Number 3

You can view and download these publications on the ERIC systemwide Web site at <http://www.accesseric.org:81/resources/resources.html>. To order paper copies, contact: ACCESS ERIC, 2277 Research Boulevard, Rockville, MD 20850; toll free: 1–800–LET–ERIC (538–3742); e-mail: accesseric@accesseric.org. Remember to include the publication titles and quantities and your mailing address. Allow 2 to 4 weeks for delivery.

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE)

- **1998 Digests (Free)**
  - Career Development: A Shared Responsibility
  - Family Literacy: Respecting Family Ways

- **Myths and Realities Paper**
  - Academic and Vocational Integration

- **Practice Application Brief**
  - Action Learning for Individual and Organizational Development

- **Practitioner File**
  - Information Management: Critical Skill for the Information Age

- **Trends and Issues Alert**
  - Promoting Intercultural Understanding

You can view and download these publications, with the exception of the Practitioner File, at <http://www.ericacve.org/pubs.htm>. To order, contact: User Services, ERIC/ACVE, 1900 Kenny Road, Columbus, OH 43210–1090; toll free: 1–800–848–4815; e-mail: wagner.6@osu.edu.

From the ERIC Clearinghouse on Information & Technology

- **Books**
  - *AskA Starter Kit: How To Build and Maintain Digital Reference Services*, 1998
    R. David Lankes and Abby S. Kasowitz
    Order No. IR–107
    ISBN: 0–937597–47–3, 235 pp., $23

    This set of six self-instructional modules prepares organizations and individuals to create an Internet-based, human-mediated information service. Real-life experiences from existing digital reference service, such as AskERIC, the National Museum of American Art Reference Desk, NASA's Ask the Space Scientist, KidsConnect, and Ask Dr. Math, provide helpful hints for new services.

  - *Building and Maintaining Internet Information Services*
    R. David Lankes, 1998
    Order No. IR–106
    ISBN: 0–937597–46–5, 213 pp., $23

    This monograph describes the foundations of digital reference, outlines how K–12 digital reference services build and maintain services in the changing Internet environment, and uses qualitative methods to look for similarities among several exemplary services. Lankes also discusses the early development of Internet technology; dynamic systems, complexity, and adaptive systems; and the role of K–12 digital reference in education today.

You can view and download these publications at <http://ericir.syr.edu/ithome/pubs.htm#one>. For more information or to order, contact: ERIC/IT, Syracuse University, 4–194 Center for Science and Technology Syracuse, NY 13244–4100; toll free: 1–800–464–9107; e-mail: eric@ericir.syr.edu; Web: <http://ericir.syr.edu/ithome>.

From the ERIC Clearinghouse on Languages and Linguistics (ERIC/FL)

- **1998 Digests (Free)**
  - Developing Language Proficiency and Connecting School to Students' Lives: Two Standards for Effective Teaching
  - Languages Across the Curriculum
  - Scheduling Foreign Languages on the Block
  - Tapping a National Resource: Heritage Languages in the United States
  - Ten Common Fallacies About Bilingual Education

- **Books**
  - *So Much To Say: Adolescents, Bilingualism, and ESL in the Secondary School*, 1998
    Christian J. Faltis and Paula Wolfe, eds.; Foreword by Nancy H. Hornberger
    ISBN: 0–8077–3797–6 (cloth), ISBN: 0–8077–3796–8 (paper), 312 pp. $54/cloth, $24.95/paper

    Some of the most influential and well-known specialists in the field of language education share their research and knowledge about a wide range of issues in bilingualism and ESL, including curriculum planning and implementation of native language literacy, sheltered content teaching, language teaching, demographics, discrimination, and the social realities of culturally diverse classrooms and schools.

You can view and download the Digests on the ERIC/FL Web site at <http://www.cal.org/ericcll/digest>. To order, contact: ERIC/FL, Center for Applied Linguistics, 4646 40th Street, NW, Washington, DC 20016–1859; toll free: 1–800–276–9834; e-mail: eric@cal.org; Web: <http://www.cal.org/ericcll>. Order *So Much To Say: Adolescents . . .* from Teachers College Press at 1–800–575–6566.

ERIC Users' Interchange is published biannually by ACCESS ERIC.

Editor .... Belinda J. Taheri

Special thanks to Ted Brandhorst for his editorial assistance.

Look for the next issue in Spring/Summer 1999.

Attachment A

ERIC Clearinghouse Contractor List

The Department of Education recently announced the award of 16 new 5-year contracts to operate the ERIC Clearinghouses, which are administered by the National Library of Education. The contracts will run from January 1, 1999 to December 31, 2003. All 16 incumbents were re-awarded their respective operations. The list below names the 16 contractors and the ERIC Clearinghouse each will administer. Full addresses of all components of the ERIC system follow:

ERIC Clearinghouse	**Contractor**
Adult, Career, and Vocational Education	The Ohio State University
Assessment and Evaluation	The University of Maryland
Community Colleges	University of California at Los Angeles
Counseling and Student Services	University of North Carolina/Greensboro
Disabilities and Gifted Education	The Council for Exceptional Children
Educational Management	University of Oregon
Elementary and Early Childhood Education	University of Illinois
Higher Education	The George Washington University
Information & Technology	Syracuse University
Languages and Linguistics	The Center for Applied Linguistics
Reading, English, and Communication	Indiana University
Rural Education	Appalachia Educational Laboratory
Science, Mathematics, and Environmental Education	The Ohio State University
Social Studies/Social Science Education	Indiana University
Teaching and Teacher Education	American Association of Colleges for Teacher Education
Urban Education	Columbia University

The new five-year contracts challenge the 16 ERIC Clearinghouses to propel the ERIC database and system into the next millennium and thereby meet the information needs of the 21st-century education community. With its 33 years of experience in the field of education dissemination and technology, the ERIC program will maintain its strength as a coordinated system by:

- Making its resources easily available to every school, library, household, and point of education decision making
- Expanding its database to include useful information for all categories of users
- Developing a variety of products to meet the increasing number of users' needs
- Producing educational products in full-text electronic formats as well as microfiche and paper
- Expanding its Internet services in electronic question-answering and virtual libraries of curricular and education

The ERIC Directory on the back of this page provides information about how to contact any of the ERIC Clearinghouses or support components. If you don't know where to start, contact ACCESS ERIC at 1-800-538-3742 (538-3742) or accesseric@accesseric.org to be pointed in the right direction.

ERIC Directory

Educational Resources Information Center (ERIC)
U.S. Department of Education
Office of Educational Research and
Improvement (OERI)
National Library of Education
400 Maryland Avenue, SW
Washington, DC 20202–5721
Phone: (800) 424–1616
Web: http://www.ed.gov

Clearinghouses

Adult, Career, and Vocational Education
The Ohio State University
1900 Kenny Road
Columbus, OH 43210–1090
Phone: (614) 292–8625; (800) 848–4815, Ext. 2–8625
Web: http://ericacve.org

Assessment and Evaluation
University of Maryland
1129 Shriver Laboratory
College Park, MD 20742
Phone: (301) 405–7449; (800) GO4–ERIC (464–3742)
Web: http://ericae.net

Community Colleges
University of California at Los Angeles
3051 Moore Hall
P.O. Box 951521
Los Angeles, CA 90095–1521
Phone: (310) 825–3931; (800) 832–8256
Web: http://www.gseis.ucla.edu/ERIC/eric.html

Counseling and Student Services
School of Education
201 Ferguson Building, UNCG
P.O. Box 26171
Greensboro, NC 27402–6171
Phone: (336) 334–4114; (800) 414–9769
Web: http://www.uncg.edu/edu/ericcass

Disabilities and Gifted Education
The Council for Exceptional Children
1920 Association Drive
Reston, VA 20191–1589
Phone: (703) 264–9474; (800) 328–0272
TTY: (703) 264–9449
Web: http://ericec.org

Educational Management
5207 University of Oregon
1787 Agate Street
Eugene, OR 97403–5207
Phone: (541) 346–1684; (800) 438–8841
Web: http://eric.uoregon.edu

Elementary and Early Childhood Education
University of Illinois at Urbana-Champaign
Children's Research Center
51 Gerty Drive
Champaign, IL 61820–7469
Phone: (217) 333–1386; (800) 583–4135
Web: http://ericeece.org
National Parent Information Network Web:
http://npin.org

Higher Education
The George Washington University
One Dupont Circle, NW, Suite 630
Washington, DC 20036–1183
Phone: (202) 296–2597; (800) 773–ERIC (3742)
Web: http://www.gwu.edu/~eriche/

Information & Technology
Syracuse University
4–194 Center for Science and Technology
Syracuse, NY 13244–4100
Phone: (315) 443–3640; (800) 464–9107
ERIC/IT Web: http://ericir.syr.edu/ithome
AskERIC Web: http://www.askeric.org

Languages and Linguistics
Center for Applied Linguistics
4646 40th Street, NW
Washington, DC 20016–1859
Phone: (202) 362–0700; (800) 276–9834
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University, Smith Research Center
2805 East 10th Street, Suite 150
Bloomington, IN 47408–2698
Phone: (812) 855–5847; (800) 759–4723
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
Appalachia Educational Laboratory
1031 Quarrier Street
P.O. Box 1348
Charleston, WV 25325–1348
Phone: (304) 347–0400; (800) 624–9120
TTY: (304) 347–0448
Web: http://www.ael.org/eric

Science, Mathematics, and Environmental Education
The Ohio State University
1929 Kenny Road
Columbus, OH 43210–1080
Phone: (614) 292–6717; (800) 276–0462
Web: http://www.ericse.org

Social Studies/Social Science Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~ssdc/eric_chess.htm

Teaching and Teacher Education
American Association of Colleges for
Teacher Education
1307 New York Avenue, NW, Suite 300
Washington, DC 20005–4701
Phone: (202) 293–2450; (800) 822–9229
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Institute for Urban and Minority Education
Main Hall, Room 303, Box 40
New York, NY 10027–6696
Phone: (212) 678–3433; (800) 601–4868
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
301 Maple Avenue West, Suite 602
Vienna, VA 22180
Phone: (800) 616–2242
Web: http://nccic.org

Clinical Schools
American Association of Colleges for
Teacher Education
1307 New York Avenue, NW, Suite 300
Washington, DC 20005–4701
Phone: (202) 293–2450; (800) 822–9229
Web: http://www.aacte.org/menu2.html

Consumer Education
National Institute for Consumer Education
207 Rackham Building
Eastern Michigan University
Ypsilanti, MI 48197
Phone: (313) 487–2292
Web: http://www.emich.edu/public/coe/nice

Educational Opportunity
TRIO Clearinghouse
National Council of Educational
Opportunity Associations
1025 Vermont Avenue, NW, Suite 900
Washington, DC 20005
Phone: (202) 347–2218
Web: http://www.trioprograms.org

Entrepreneurship Education
The Center for Entrepreneurial Leadership
Ewing Marion Kauffman Foundation
4900 Oak Street
Kansas City, MO 64112–2776
Phone: (310) 206–9549; (888) 4–CELCEE (423–5233)
Web: http://www.celcee.edu

ESL Literacy Education
Center for Applied Linguistics
4646 40th Street, NW
Washington, DC 20016–1859
Phone: (202) 362–0700
Web: http://www.cal.org/ncle

International Civic Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815

Law-Related Education
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~ssdc/lre.html

School Counseling Services
Department of Counseling, Development,
and Higher Education
College of Education
University of North Texas
P.O. Box 311337
Denton, TX 76203–1337
Phone: (940) 565–2910

Service Learning
University of Minnesota
R–460 VoTech Building
1954 Buford Avenue
St. Paul, MN 55108
Phone: (612) 625–6276; (800) 808–SERVe (7378)
Web: http:// www.nicsl.coled.umn.edu

Test Collection
Educational Testing Service
Princeton, NJ 08541
Phone: (609) 734–5737
Web: http://ericae.net/testcol.htm

U.S.-Japan Studies
Social Studies Development Center
Indiana University
2805 East 10th Street, Suite 120
Bloomington, IN 47408–2698
Phone: (812) 855–3838; (800) 266–3815
Web: http://www.indiana.edu/~japan

Affiliate Clearinghouse

National Clearinghouse for Educational Facilities
National Institute of Building Sciences
1090 Vermont Avenue, NW, Suite 700
Washington, DC 20005–4905
Phone: (888) 552–0624
Web: http://www.edfacilities.org

Support Components

ACCESS ERIC
2277 Research Boulevard, 7A
Rockville, MD 20850
Phone: (301) 519–5789; (800) LET–ERIC (538–3742)
Web: http://www.accesseric.org:81

ERIC Document Reproduction Service
DynEDRS, Inc.
7420 Fullerton Road, Suite 110
Springfield, VA 22153–2852
Phone: (703) 440–1400; (800) 443–ERIC (3742)
Web: http://edrs.com

ERIC Processing and Reference Facility
Computer Sciences Corporation
1100 West Street, Second Floor
Laurel, MD 20707–3598
Phone: (301) 497–4080; (800) 799–ERIC (3742)
Web: http://ericfac.piccard.csc.com

ERIC® USERS' INTERCHANGE

Spring/Summer 1999

SPECIAL INTEREST NEWS/FEATURES

ERIC Special Projects

The Department of Education (ED) and the ERIC system are always looking for new ways to meet your information needs. There are currently a number of special projects hosted by ERIC components. Some receive ERIC funding, and many receive funding from other sponsors. This issue of *Interchange* highlights some of the special projects currently in progress.

The Dan O'Brien Goal Setting Program. The ERIC Clearinghouse on Educational Management (ERIC/EA) operates The Dan O'Brien Goal Setting Program with funding from ED and Nike, Inc. This program offers a curriculum for grades 3–6 designed to introduce students to the process of setting goals and working to achieve them. It features five goal-setting lessons outlined in a 24-page *Go for the Goal* curriculum guide. Other materials include brochures, handouts, worksheets, and goal cards that students can use to track their goals and mark their progress.

Dan O'Brien overcame many obstacles to become a successful athlete, and he attributes his success to goal-setting strategies he learned in school. At the 1996 summer Olympic games, he won the gold medal in the decathlon.

Students who take part in this curriculum can write to Dan O'Brien in care of the clearinghouse and will receive a letter, biography, and other free materials. For information, contact ERIC/EA at 1–800–438–8841. This information is also available online at <http://obrien.uoregon.edu>.

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ERIC Directory Update: June 1999

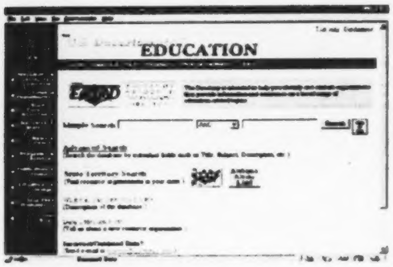
ERIC Systemwide Web Site Changes Address

The ERIC systemwide Web site has a new address that's easier for you to remember. The new address is <http://www.accesseric.org>. On this site, you'll find the full text of many general ERIC materials, such as *A Pocket Guide to ERIC*, *All About ERIC*, and *The ERIC Review*. In addition, you'll find links to the rest of the ERIC Web sites. **Please be sure to update your bookmarks.**

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects with government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the *Interchange* Editor, ACCESS ERIC, 2277 Research Boulevard, Rockville, MD 20850, 1–800–LET–ERIC (538–3742).

(ERIC Special Projects continued from page 1)

Education Resource Organizations Directory. ACCESS ERIC assists the U.S. Department of Education by maintaining the database for the Education Resource Organizations Directory located on the Department's Web site <http://www.ed.gov/BASISDB/EROD/direct/SF>. The Directory enables Internet users to search more than 2,400 national, regional, and state organizations, including information centers; associations; comprehensive and technical assistance centers; clearinghouses; and many other types of national, regional, and state programs, services, and organizations.

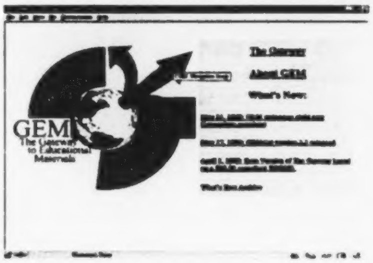


The ERIC Resource Collections and Education-Related Information Centers databases are searchable online as part of EROD. An electronic data verification form allows included organizations to e-mail updates/changes to their profiles and new organizations to submit their information. All records are updated at least annually.

ERIC Search Wizard and Expert Searches. This state-of-the-art search engine <http://ericae.net/search.htm>, developed by the ERIC Clearinghouse on Assessment and Evaluation, allows users to select terms from the *Thesaurus of ERIC Descriptors* to build effective, high-quality searches. The Wizard features seamless online ordering, readily available information on journal and document sources, multiple display options, an option to save citations to disk, and a "More Like This" option based on ERIC descriptors. The Wizard also allows users to load more than 80 prepackaged search strategies on current education topics. The strategies were developed by expert reference librarians in the ERIC system. Users can adopt the strategies as a starting point or can revise them to suit their needs.

Gateway to Educational Materials (GEM). The National Library of Education (NLE) is spearheading a consortium effort—GEM <http://www.geminfo.org>—that is a special project of the ERIC Clearinghouse on Information & Technology. The goal of GEM is to create an operational framework that will provide the key to "one-stop, any-stop" access to the thousands of lesson plans, curriculum units, and other education materials on the Internet. To accomplish this, GEM created the K–12 meta-data standard for describing educational resources. GEM also provides software, training, and support so that GEM consortium members with Internet-based collections can easily use GEM to describe their resources.

These descriptions are listed in The Gateway Catalog <http://www.thegateway.org>, which went online in February 1998. To facilitate access to the materials, the Catalog currently includes more than 5,000 records from more than 90 organizations.



National Parent Information Network (NPIN). NPIN is a special project of the ERIC Clearinghouse on Elementary and Early Childhood Education and the ERIC Clearinghouse on Urban Education. Begun in 1993 as an Internet site for parents, NPIN <http://npin.org> has since expanded its services to provide information through e-mail via the AskERIC program, through workshops, and through its toll-free telephone number (1–800–583–4135). NPIN staff conduct workshops on Internet use by parents and children, produce monthly issues of Parent News (NPIN's award-winning online publication for parents), produce ERIC Digests, moderate the PARENTING-L listserv, work with a variety of national groups on projects intended to improve parenting education, and continue to enhance one of the largest Internet sites for parents. In 1998 the NPIN site was visited more than 650,000 times.

NIFL-ESL Listserv. Since March 1995, the Adjunct ERIC Clearinghouse for ESL Literacy Education has moderated the NIFL-ESL listserv <http://www.cal.org/ncle/nifl-esl.htm>, one of ten listservs hosted by the National Institute for Literacy as part of its LINCS (Literacy Information and Communication System) project. With 700 subscribers as of January 1998, the NIFL-ESL listserv is a busy forum for discussion about teaching English to adult immigrants and about related education policy issues.

(continued on page 3)

(ERIC Special Projects continued from page 2)

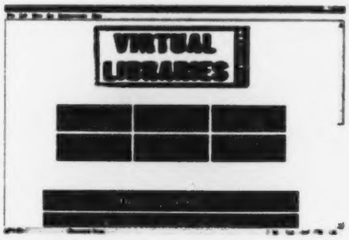
ERIC/OSEP Special Project. Through the ERIC Clearinghouse on Disabilities and Gifted Education, with funding from the Department of Education's Office of Special Education Programs (OSEP), the Council for Exceptional Children operates the ERIC/OSEP Special Project. This project hosts an annual conference for directors of OSEP-sponsored research projects, produces a directory of special education discretionary projects, and produces publications such as Newsbriefs and Topical Briefs. Recent publications have included *Integrating Technology into the Standard Curriculum* and *Inclusion and Preschoolers*, both of which can be found at <http://www.cec.sped.org/ericec/osep-sp.htm>.

Reading Pathfinder. The Reading Pathfinder is a project of the ERIC Clearinghouse on Elementary and Early Childhood Education, with support from the ERIC Clearinghouse on Reading, English, and Communication. Intended to investigate and demonstrate the value of a customer-driven approach to organizing information on the Web, Reading Pathfinder supports Priority One of the Secretary of Education's Seven Priorities: "All students will read independently and well by the end of 3rd grade" (Point 3 in President Clinton's *Call to Action*).

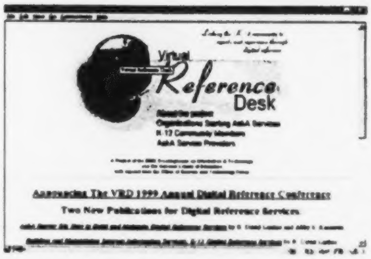
This project organizes information on early childhood development and education, emergent literacy, and K–3 reading instruction around questions asked by parents, teachers, and reading experts. The user interface is intended to bridge the gap between the ways in which parents and teachers look for information and express their information needs, and the ways in which information is currently organized and presented on the Web (i.e., scattered across multiple sites, organized in non-intuitive categories and menus, searchable through crude and general tools, such as full-text search engines, rather than education- or topic-focused tools). The project will become a publicly accessible URL in fall 1999.

Test Locator. Test Locator <http://ericae.net/testcol.htm> describes more than 11,000 assessment instruments and their availability. It is a joint project of the ERIC Clearinghouse on Assessment and Evaluation, the Library and Reference Services Division of the Educational Testing Service (ETS), the Buros Institute of Mental Measurements at the University of Nebraska in Lincoln, the Region III Comprehensive Center at George Washington University, and Pro-Ed test publishers.

Virtual Libraries. Several ERIC Clearinghouse Web sites offer virtual libraries of full-text documents in their topic areas. For example, the ERIC Clearinghouse on Elementary and Early Childhood Education hosts a virtual library on its ReadyWeb site <http://readyweb.crc.uiuc.edu/> that offers more than 40 publications on school readiness and learning readiness. The ERIC Clearinghouse for Community Colleges' virtual library <http://www.gseis.ucla.edu/ERIC/libraryset.html> includes its quarterly information bulletins, one-page research summaries, ERIC Digests, and bibliographies on topics such as access, faculty, finance, and the future. And the ERIC Clearinghouse on Counseling and Student Services has a collection of virtual libraries <http://www.uncg.edu/edu/ericcass/libhome.htm> on topics such as career development, school violence, and conflict resolution.



Virtual Reference Desk (VRD). VRD is building a national cooperative digital reference service <http://www.vrd.org>. The project is sponsored by NLE and the ERIC Clearinghouse on Information & Technology (ERIC/IT), with support from the Office of Science and Technology Policy. Digital reference services, also called Ask-An-Expert (or AskA) services, are Internet-based question-and-answer services, such as "Ask Dr. Math" and "Ask an Astronaut," that connect users with experts in specific subjects or skills. The project, now in its third phase, consists of research and resource creation in the area of digital reference; development of a technical infrastructure for the Virtual Reference Desk and tools for individual AskA services; development of relationships with project stakeholders from libraries, businesses, institutions of higher education, government sectors, and digital reference services; and consultation with organizations on building new digital reference services.



Announcing The VRD 1999 Annual Digital Reference Conference

Two New Publications for Digital Reference Services

(continued on page 4)

(ERIC Special Projects continued from page 3)

Recent resource development includes publication of the *AskA Starter Kit*, a manual for building and maintaining digital reference services, and the development of the VRD Learning Center <http://www.vrd.org/k12/k-12home.html>, which provides guidance to the K–12 community on using AskA services in the classroom. Plans for 1999 include a VRD national digital reference conference at the Harvard Graduate School of Education's library, with a training session cosponsored by NELINET (a New England library consortium); continued digital reference software development with Remedy Corporation (a help desk vendor); testing of the national K–12 digital reference network; and consultation with the Department of Education on developing ED digital reference services.

Workplace Literacy Products. The ERIC Clearinghouse on Adult, Career, and Vocational Education has developed *Exemplary Products Produced By National Workplace Literacy Program Demonstration Projects, 1995–1998*. This publication, which was funded by the Office of Vocational and Adult Education, highlights 58 workplace education products selected as exemplary by a panel of experts. These products can be used by adult educators, corporate and union training staff, and others who may be seeking information for their workforce education programs, and can serve as examples to the profession of the application of principles of good practice in planning, conducting, and evaluating adult and workplace education programs.

ERIC/ACVE Installs TDD/TTY Telephone Line

The ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE) now has a TDD/TTY line for hearing-impaired individuals. The new number is 614–688–8734. For more information, call the clearinghouse at 1–800–848–4815.

October Conference on Heritage Languages in America

With representatives of the National Foreign Language Center and California State University at Long Beach, ERIC Clearinghouse on Languages and Linguistics Director Joy Kreeft Peyton is heading a national effort to develop the languages of our heritage communities by strengthening the educational institutions that work with them. The first National Conference of the Heritage Languages Initiative will take place October 14–16 in Long Beach, California. More information can be found at <http://www.cal.org/heritage> or by calling 1–800–276–9834.

ERIC Information Online Update

In this column, we highlight current ERIC services available online, including those available via the Internet and from online and CD-ROM service providers, as appropriate.

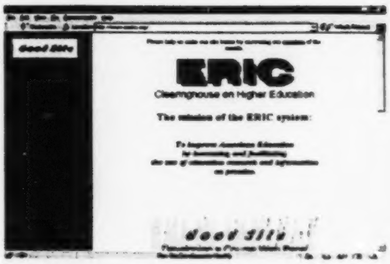
EDRS and SilverPlatter Team Up

The ERIC Document Reproduction Service (EDRS) and SilverPlatter have partnered to enable EDRS E*Subscribe customers who also subscribe to SilverPlatter to use WebSPIRS 3.0 to search the ERIC database and link to ERIC electronic documents. Recent ERIC full-text image documents may be downloaded in Adobe PDF. This linkage will be available to WebSPIRS 4.0 users later this year. For more information, contact SilverPlatter at 1–800–343–0064 or EDRS Customer Service at 1–800–443–3742.

ERIC/HE Adds New Workshop, Job-Search Sites, and More

The ERIC Clearinghouse on Higher Education (ERIC/HE) recently updated its Web site <http://www.eriche.org> with new information and several new services, including:

- Resources for Graduate Research (new online workshop)
- Higher Education Jobs (new FAQ: list of job-search Web sites)
- ASHE-ERIC Report Series (new proposal ideas; new classroom-use request form; secure online ordering: Visa or MasterCard)
- Cool Higher Education Site of the Month
- 1998 ASHE Symposium (study of higher education literature)


ERIC
Clearinghouse on Higher Education
The mission of the ERIC system:

In addition, staff posted the first issue of *ERIC Higher Education News* on the ERIC/HE Web site <http://www.eriche.org/new/letter1.html>. This quarterly newsletter features new products and services, and other items of interest to the higher education community.

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(ERIC/HE continued from page 4)

And if you've ever had difficulty searching the ERIC database on the Internet and aren't quite sure how descriptors differ from keywords, despair no more. ERIC/HE has created an excellent ERIC search tutorial <http://www.eriche.org/workshops/searching.html>. It's designed to be used with the PLWeb search interface on the AskERIC Web site, and covers everything from Boolean operators to relevance ranking. It even includes nine search exercises. Don't forget to submit your comments and suggestions via the feedback form at the end of the tutorial.

ERIC/SE Adds Companion Pages

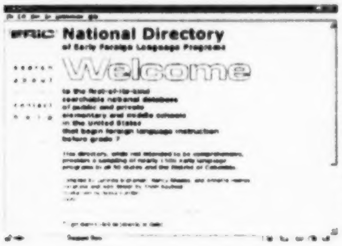
The ERIC Clearinghouse for Science, Mathematics, and Environmental Education (ERIC/SE) has made it easier to access online resources in its scope area. Visitors to the ERIC/SE Web site will now find several companion pages, each of which provides links to topic-related Web sites. To date, topics include science fairs, homework, and Black history. Other topics are under development.

ERIC/SE plans to expand the companion pages to include additional Web sites, connections to national curriculum standards, and indexes and annotations. At this time, the pages cluster topics familiar to parents, students, and teachers, allowing them to "browse the shelves." In the future, ERIC/SE also plans to add a search engine.

You can find links to the new companion pages at <http://www.ericse.org/hot.html>. Send your comments to: ericse@osu.org.

ERIC/CLL Adds Directory of Early Foreign Language Programs and Quarterly Newsletter

Visitors to the ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL) Web site will find the newly released Directory of Early Foreign Language Programs. It can be searched by school name, district, foreign language offered, grade level, zip code, area code, and more.



The Directory addresses the needs of many districts, schools, parents, and educators who—in response to national reform initiatives and research indicating the benefits of early second language learning—have been looking for a comprehensive resource that provides examples of existing early foreign language programs. The programs featured are variations of several models, sometimes categorized as FLES (Foreign Language in the Elementary School), content-based FLES, FLEX (Foreign Language Exploratory or Experience), and Middle School Sequential Foreign Language Instruction.

Browse or search the new directory on the ERIC/CLL Web site at <http://www.cal.org/ericcll/earlyfl/>. For more information, call the clearinghouse at 1–800–276–9834.

ERIC/CLL also is pleased to announce the publication of *ERIC/CLL Language Link*, a quarterly online newsletter. Each issue of *ERIC/CLL Language Link* will focus on a specific theme related to foreign language education, English as a second language, bilingual education, or linguistics. Profiles of relevant books, journals, and recent ERIC documents will follow a feature article on the theme. Each issue will also feature news from ERIC partners and the ERIC system, as well as information about upcoming conferences and links to organizations and publishers. The first issue, scheduled for publication in June 1999, will focus on language policy and reauthorization of the Elementary and Secondary Education Act (ESEA).

To subscribe to *ERIC/CLL Language Link*, send a message to: langlink-on@mail-list.cal.org. Leave the subject and message fields blank. You will then receive a welcome letter along with subscription option information.

ERIC/ChESS Updates Organizations Directory, Web Resources

The ERIC Clearinghouse for Social Studies/Social Science Education (ERIC/ChESS) recently updated its extensive online Resource Organizations Directory. Visitors will find new entries under the following headings: Global/International Education; History; and Multicultural Education.

ERIC/ChESS also updated the Internet Resources section of its site. New entries appear under Art, General Education, General Social Studies, History, and Multicultural Education. Click on What's New for direct links to all updated sections. You can visit the updated Web site at <http://www.indiana.edu/~ssdc/eric_chess.htm>.

ERIC/UD Adds Immigrant Education Issues Pathway

The ERIC Clearinghouse on Urban Education (ERIC/UD) has added another great topic to the Pathways section of its Web site. Pathways is a listing of Internet resources related to a variety of topics researched by the clearinghouse, including Asian/Pacific American students, Web site design and construction, and Latino partnerships.

Now visitors will find the Immigrant Education Issues Pathway, a compilation of annotated links to Internet resources that address immigrant student demographics, immigration policies and laws, immigrant communities and cultures, and education issues and teaching methods for immigrant students. The new pathway also has links to organizations serving immigrant students and their families.

You can explore Immigrant Education Issues and all the other pathways at <http://eric-web.tc.columbia.edu/pathways>.

ERIC/EC Publishes Spring 1999 Research Connections

The ERIC/OSEP (Office of Special Education Programs) Special Project at the ERIC Clearinghouse on Disabilities and Gifted Education (ERIC/EC) recently published the Spring 1999 issue of *Research Connections*, a biannual, eight-page topical review of proven school-based research in special education.

This issue addresses positive behavioral interventions and supports for children exhibiting behavior problems in the classroom; describes implementation strategies and functional assessment; and discusses related activities in Kentucky and Colorado. Interviews with Ann Turnbull and Edward Carr, Rob Horner and George Sugai, C. Michael Nelson and Terry Scott, and other noted researchers round out the issue.

Research Connections can be viewed and downloaded at <http://ericec.org/ericec/osep-sp.htm#recon>. For more information or to order free paper copies, call the clearinghouse at 1–800–328–0272.

ERIC/OSEP Directory of Discretionary Grants and Contracts Now Online

Visitors to the Council for Exceptional Children (CEC) Web site will find a searchable directory of more than 1,200 grants and contracts funded by the Research-to-Practice Division of the U.S. Department of Education's Office of Special Education Programs (OSEP) in the 1998 fiscal year. Updated annually, the ERIC/OSEP Directory of Discretionary Grants and Contracts can be searched by keyword; organization; state/postal code; and project title, number, or director.

You can search the new database on the CEC Web site at: <http://www.cec.sped.org/osep/search.htm>. For more information, call CEC at 1–888–232–7733.

NCLE Adds Links to Adult ESL Literacy Web Sites

The National Clearinghouse for ESL Literacy Education (NCLE) recently added a new feature to its Web page. "Worth a Visit" provides links to Web sites offering the latest information on adult ESL literacy and instruction. Links are organized into the following categories, making it easy for visitors to find the kind of information they're looking for:

- National organizations
- Regional organizations
- International organizations
- Online ESL publications
- Lesson plans
- Sites for teachers
- Sites for students

Visitors will find "Worth a Visit" in the What's New section of NCLE's Web site, along with the latest ERIC Digests, Q&A's, and other ESL materials. You can explore the updated Web site at <http://www.cal.org/ncle>.

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. *Interchange* is pleased to announce the following items:

From ACCESS ERIC

- *A Pocket Guide to ERIC* (Free)
- *All About ERIC* (Free)

(continued on page 7)

(ACCESS ERIC Publications continued from page 6)

You can view and download these publications on the ERIC systemwide Web site at <http://www.accesseric.org/resources/>. To order paper copies, call 1–800–LET–ERIC (538–3742) or e-mail: accesseric@accesseric.org.

From the ERIC Clearinghouse on Counseling and Student Services (ERIC/CAPS)

- **Books**
    - *Proven Strategies for Improving Learning and Achievement*, 1999
      Duane Brown
      ISBN: 1–56109–086–7, 307 pp., $26.95 (paperback)

      School counselors, school psychologists, and school social workers have always contributed positively to the academic achievement of students. But according to many educators, traditional efforts are clearly insufficient. This book describes culturally sensitive, student-personnel support tools that educators will recognize as directly affecting academic performance and enhancing academic achievement.

For more information or to order, call the clearinghouse at 1–800–414–9769 or e-mail: ericcass@uncg.org.

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

- **ASHE-ERIC Higher Education Reports**
    - *Enrollment Management for the 21st Century: Delivering Institutional Goals, Accountability, and Fiscal Responsibility*, 1999
      Garlene Penn
      Volume 26, No. 7
      ISBN: 1–878380–87–7, 150 pp., $24 (paperback)
    - *The Powerful Potential of Learning Communities: Improving Education for the Future*, 1999
      Oscar T. Lenning and Larry H. Ebbers
      Volume 26, No. 6
      ISBN: 1–878380–86–9, 100 pp., $24 (paperback)
- **Digest**
    - *The Academic Administrator and the Law*

You can view and download these publications at <http://www.eriche.org>. For more information or to order these publications, call the clearinghouse at 1–800–773–3742 or e-mail: eriche@eric-he.edu.

From the ERIC Clearinghouse on Information & Technology (ERIC/IT)

- Digest
    - *Building and Maintaining Digital Reference Services*

You can view and download this Digest at <http://ericir.syr.edu/ithome/digests/digiref.html>. For more information, call the clearinghouse at 1–800–464–9107 or e-mail: eric@ericir.syr.edu.

From the ERIC Clearinghouse on Reading, English, and Communication (ERIC/CS)

- *Parent Involvement Catalog*, 1999
  Family Learning Association
  Free, 16 pp.

  This catalog lists tutoring aids, Spanish and bilingual resources, supplementary materials, and more.

For more information or to order, call EDINFO Customer Service at 1–800–925–7853.

From the ERIC Clearinghouse on Urban Education (ERIC/UD)

- **1998 Digests (Free)**
    - *Arab American Students in Public Schools*
    - *Girls and Violence*
    - *Young Fathers: New Support Strategies*

You can view and download these Digests at <http://eric-web.tc.columbia.edu/home_files/pub_list. html#digs>. For more information, call the clearinghouse at 1–800–601–4868 or e-mail: eric-cue@columbia.edu.

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Editor: Belinda J. Taheri

ERIC Directory

Educational Resources Information Center (ERIC)
National Library of Education
Office of Educational Research and Improvement (OERI)
U.S. Department of Education
Toll Free: (800) 424–1616
TTY/TDD: (800) 437–0833
Web: http://www.ed.gov

Clearinghouses

Adult, Career, and Vocational Education
Ohio State University
Toll Free: (800) 848–4815, ext. 2–8625
Phone: (614) 292–8723
TTY/TDD: (614) 688–8734
Web: http://ericacve.org

Assessment and Evaluation
University of Maryland, College Park
Toll Free: (800) GO4–ERIC (464–3742)
Phone: (301) 405–7449
Web: http://ericae.net

Community Colleges
University of California at Los Angeles
Toll Free: (800) 832–8256
Phone: (310) 825–3931
Web: http://www.gseis.ucla.edu/ERIC/eric.html

Counseling and Student Services
University of North Carolina at Greensboro
Toll Free: (800) 414–9769
Phone: (336) 334–4114
Web: http://www.uncg.edu/edu/ericcass

Disabilities and Gifted Education
Council for Exceptional Children
Toll Free: (800) 328–0272
Phone: (703) 264–9475
TTY/TDD: (800) 328–0272
Web: http://ericec.org

Educational Management
University of Oregon
Toll Free: (800) 438–8841
Phone: (541) 346–1684
Web: http://eric.uoregon.edu

Elementary and Early Childhood Education
University of Illinois at Urbana—Champaign
Toll Free: (800) 583–4135
Phone: (217) 333–1386
TTY/TDD: (800) 583–4135
Web: http://ericeece.org
National Parent Information Network Web: http://npin.org

Higher Education
George Washington University
Toll Free: (800) 773–ERIC (3742)
Phone: (202) 296–2597
Web: http://www.eriche.org

Information & Technology
Syracuse University
Toll Free: (800) 464–9107
Phone: (315) 443–3640
Web: http://ericir.syr.edu/ithome
AskERIC Web: http://www.askeric.org

Languages and Linguistics
Center for Applied Linguistics
Toll Free: (800) 276–9834
Phone: (202) 362–0700
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University
Toll Free: (800) 759–4723
Phone: (812) 855–5847
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
Appalachia Educational Laboratory
Toll Free: (800) 624–9120
Phone: (304) 347–0400
TTY/TDD: (304) 347–0448
Web: http://www.ael.org/eric

Science, Mathematics, and Environmental Education
Ohio State University
Toll Free: (800) 276–0462
Phone: (614) 292–6717
Web: http://www.ericse.org

Social Studies/Social Science Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~ssdc eric_chess.htm

Teaching and Teacher Education
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Toll Free: (800) 601–4868
Phone: (212) 678–3433
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
Toll Free: (800) 616–2242
TTY/TDD: (800) 516–2242
Web: http://nccic.org

Clinical Schools
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.aacte.org/menu2.html

Consumer Education
National Institute for Consumer Education
Phone: (734) 487–2292
Web: http://www.nice.emich.edu

Educational Opportunity
National TRIO Clearinghouse
Council for Opportunity in Education
Phone: (202) 347–2218
Web: http://www.trioprograms.org

Entrepreneurship Education
Center for Entrepreneurial Leadership
Toll Free: (888) 4–CELCEE (423–5233)
Phone: (310) 206–9549
Web: http://www.celcee.edu

ESL Literacy Education
Center for Applied Linguistics
Phone: (202) 362–0700, ext. 200
Web: http://www.cal.org/ncle

International Civic Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838

Law-Related Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~ssdc/lre.html

Postsecondary Education and the Internet
University of Virginia
Phone: (804) 924–3880
Web: http://highered.org

School Counseling Services
University of North Texas
Phone: (940) 565–2910
Web: http://www.coe.unt.edu/cdhe/eric.htm

Service Learning
University of Minnesota
Toll Free: (800) 808–SERVe (7378)
Phone: (612) 625–6276
Web: http://umn.edu/~serve

Test Collection
Educational Testing Service
Phone: (609) 734–5689
Web: http://ericae.net/testcol.htm

U.S.–Japan Studies
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~japan

Affiliate Clearinghouse

National Clearinghouse for Educational Facilities
National Institute of Building Sciences
Toll Free: (888) 552–0624
Phone: (202) 289–7800
Web: http://www.edfacilities.org

Support Components

ACCESS ERIC
Toll Free: (800) LET–ERIC (538–3742)
Phone: (301) 519–5157
Web: http://www.accesseric.org

ERIC Document Reproduction Service (EDRS)
DynEDRS, Inc.
Toll Free: (800) 443–ERIC (3742)
Phone: (703) 440–1400
Web: http://edrs.com

ERIC Processing and Reference Facility
Computer Sciences Corporation
Toll Free: (800) 799–ERIC (3742)
Phone: (301) 497–4080
Web: http://ericfac.piccard.csc.com

ERIC USERS' INTERCHANGE

Fall 1999

SPECIAL INTEREST NEWS/FEATURES

ERIC: A Million in One

Now there are more than a million reasons to search the ERIC database. In September, ERIC processed its millionth database record, a document entitled *Excellence in English in Middle and High School: How Teachers' Professional Lives Support Student Achievement* (ED 429 295). It was written by Judith A. Langer under a grant from the U.S. Department of Education. There are now more than 425,000 documents and 575,000 journal articles in the ERIC database—and the database continues to grow at the rate of more than 30,000 records per year. With more than a million reasons to search ERIC, what are you waiting for? You can search the database free at one of several Internet sites. Just visit the ERIC systemwide Web site at <http://www.accesseric.org/searchdb/searchdb.html> to choose the ERIC database search engine that you like best.

ERIC Annual Report *Showcases Improvements, Customer Service*

ERIC has released its 1999 annual report, highlighting the progress that has been made on its ambitious goals set in 1995 for completion by 2000. According to Blane Dessy, Executive Director of the National Library of Education, which sponsors ERIC, "ERIC is well on the way to becoming a 'national union catalog' of education resources—the main venue for organizing, linking, describing, and making accessible all key education resources in all formats. Projects such as the Gateway to Educational Materials and the National Parent Information Network help us to serve teachers and parents better than ever by providing access to innovative lesson plans and parenting information."

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Pocket Guide *and* All About ERIC *Now Available*

ACCESS ERIC recently updated *A Pocket Guide to ERIC* and *All About ERIC* and has free copies available. If you plan to hand out ERIC materials at a workshop, or would just like to have the latest ERIC contact information, call 1–800–LET–ERIC (538–3742), send an e-mail request to accesseric@accesseric.org, or read the full-text version on the Internet at <http://www.accesseric.org/resources>.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Contractors undertaking such projects with government sponsorship are encouraged to express their judgment in professional and technical matters. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the *Interchange* Editor, ACCESS ERIC, 2277 Research Boulevard, Rockville, MD 20850; toll free: 1–800–LET–ERIC (538–3742); e-mail: accesseric@accesseric.org.

(*ERIC Annual Report* continued from page 1)

ERIC has utilized the Internet as a means of increasing access to information and has made rapid progress in providing content-rich Web sites, virtual libraries, full-text access to many resources, and "smart" search engines to support productive database searching. Keith Stubbs, Director of ERIC, reports that ERIC's new challenges include processing information faster and making it available sooner. "ERIC users have high expectations, and we're working hard to live up to them," he said. "We continually seek customer feedback to let us know how we're doing." ERIC plans to commission a systemwide evaluation of its products and services in the near future.

The report includes highlights, an overview of products and services, customer survey results, an ERIC system directory, a budget overview, and future directions. For a free copy, call ACCESS ERIC at 1–800–LET–ERIC (538–3742), send an e-mail request to accesseric@accesseric.org, or go to <http://www.accesseric.org/resources/annual99/> on the Web.

ERIC Annual Report Highlights

As we close in on the year 2000, ERIC is pleased to report on our progress toward meeting the ambitious goals we set for ourselves five years ago. These goals are:

- Easy, affordable access to ERIC bibliographic and full-text resources from every school, library, household, and point of educational decision making.
    - Anyone can reach ERIC through a toll-free phone call or via the Internet and will receive free, high-quality information from subject experts.
    - The ERIC Document Reproduction Service (EDRS) offers E*Subscribe, which gives library patrons access to electronic copies of ERIC documents through their library's subscription.
    - Users who want unlimited access to the ERIC database can search it on the Internet or get an affordable CD-ROM from the ERIC Processing and Reference Facility.
    - Free subscriptions to *The ERIC Review* are available, and nearly 1,000 new subscribers signed up in the past year.
- Expansion of ERIC's database and services to make useful information available to all categories of users.
    - ERIC has successfully broadened its audience to include teachers and students. In 1998, fully 25 percent of the people who contacted ERIC Clearinghouses were elementary and secondary faculty and students; another 25 percent were postsecondary faculty and students.
    - ERIC welcomed two new Adjunct Clearinghouses, extending its database coverage and dissemination of materials in the targeted subject areas of school counseling and postsecondary education.
    - To support the diverse audiences they serve, ERIC Clearinghouses maintain more than 80 electronic discussion groups serving more than 37,000 education policymakers, administrators, teachers, parents, and library/media specialists.
    - Users interested in the construction, renovation, and maintenance of schools can now find more information on these topics in the ERIC database and on the Web through ERIC's Affiliate Clearinghouse, the National Clearinghouse for Educational Facilities.
- Expansion of the ERIC information-synthesizing function to include more and a greater variety of publications and to utilize a greater variety of dissemination methods.
    - Clearinghouses have expanded their print and electronic publication formats to include newsletters, journal columns and articles, trends and issues alerts, frequently asked questions, and practice application briefs.
    - The ERIC Clearinghouse on Elementary and Early Childhood Education has recently introduced a refereed electronic journal.
    - The Gateway to Educational Materials special project now offers teachers more than 6,000 lesson plans and other materials for classroom use from 90 organizations.
    - ERIC's 650 partner organizations provide links to ERIC from their Web sites and disseminate ERIC products to their constituents and members.

(continued on page 3)

(*ERIC Annual Report* continued from page 3)

- Delivery of documents in a variety of full-text electronic formats, as well as in microfiche and paper forms.
    - Customers can now get electronic full-text copies of approximately 80 percent of the ERIC documents from 1995 to the present; three ERIC database search engines offer links to EDRS E*Subscribe documents.
    - Two clearinghouses are producing full-text copies of their publications on CD-ROMs.
    - To meet the needs of users with limited access to technology, ERIC continues to provide free access to ERIC documents on microfiche at more than 1,000 institutions in 26 countries.
    - In addition to its more than 1,000 microfiche subscribers, EDRS also filled individual orders for 35,877 copies of documents in 1998.
- Further development of ERIC access on the Internet and in other formats, including the development of virtual libraries and World Wide Web sites.
    - All ERIC Clearinghouses maintain Web sites with content-rich, full-text resources in their subject areas. Many also offer virtual libraries—full-text collections of online resources from sources within and outside of ERIC grouped around subtopics within their scope areas.
    - Users who visit the ERIC systemwide Web site can now search a topic across all ERIC Web sites in one easy step, and more than 600 other Web sites provide links to the main ERIC site.
    - To help users navigate the Web, the ERIC Clearinghouse on Higher Education and several other clearinghouses redesigned and expanded their Web sites to provide tutorials that help lead users to valuable resources beyond ERIC.

ERIC by the Numbers

- ERIC users will find that the database provides coverage of approximately 980 education-related journals in addition to documents produced by thousands of leading education organizations.
- ERIC now has acquisition arrangements with 2,190 universities, research centers, professional organizations, and federal and state agencies.
- The ERIC database is made available through several Internet search engines; five commercial online vendors; five CD-ROM vendors; many locally mounted systems, such as online public access catalogs at universities; and the print indexes *Resources in Education* (*RIE*) and *Current Index to Journals in Education* (*CIJE*). More than 1,000 institutions in 26 countries provide onsite access to the ERIC database and the microfiche collection of full-text ERIC documents.
- The National Parent Information Network Web site was visited 651,016 times in 1998.
- The ERIC Clearinghouses produced more than 660 information products in 1998, including newsletters, journal columns, journal articles, ERIC Digests, books, bibliographies, and other formats.
- ERIC components engaged in collaborative outreach, training, publication, and user service efforts with 650 partner organizations.
- ERIC components hosted more than 80 listservs with a total of more than 37,000 subscribers.
- In 1998, ERIC staff members responded to 180,978 user requests (19,000 more user requests than in 1997), including:
    - 50,729 toll-free calls
    - 89,036 e-mail requests (including 44,460 received through AskERIC, the ERIC system's question-answering service)
    - 34,733 letters
    - 6,480 visitors
- ERIC personnel went on the road to meet current and potential users by participating in more than 470 education-related meetings, conferences, and workshops; giving more than 230 presentations; and staffing exhibits at more than 80 major conferences.

Oryx Dictionary of Education

Oryx Press is sponsoring a project to create a new and up-to-date dictionary for the field of education to replace Carter Good's 1973 classic—but now nearly 30-years old—*Dictionary of Education*. The project will be headed by John Collins, the Librarian of the Harvard Graduate School of Education, and Nancy O'Brien, Librarian of the Education and Social Sciences Library at the University of Illinois at Urbana/Champaign, serving as Co-Editors-in-Chief.

Approximately 25 to 30 "contributing editors" will be identified and recruited, each of whom will be responsible for a broad topical area of coverage. Each contributing editor will in turn identify and recruit "contributors" to write definitions within specified guidelines. The estimated total project length is 2.5 to 3 years.

The dictionary will contain approximately 7,000 to 10,000 entries. Each entry will be 50 to 100 words long. The entire dictionary will be approximately 400 pages in length and will focus on terminology specific to the field of education, broadly interpreted.

ERIC has been asked to cooperate with this project via the Facility's *Thesaurus* files and the terminological records of the ERIC Processing and Reference Facility's more than 30 years of experience in building and maintaining the *Thesaurus of ERIC Descriptors*. The Facility's lexicographer will serve on the project's Advisory Board. For more information about this project, contact The Oryx Press at 1–800–699–ORYX (6799).

ERIC Welcomes Another Adjunct Clearinghouse

ERIC is pleased to welcome the Adjunct ERIC Clearinghouse for Postsecondary Education and the Internet (PE&TC) to the ERIC family. The clearinghouse is located at the University of Virginia, Curry School of Education and will work directly with the ERIC Clearinghouse on Higher Education and the National Library of Education's Resource Sharing and Cooperation Division to develop and implement an improved database and search engine for Internet-based resources related to higher education. PE&TC will concentrate on electronic services that improve the practice of higher education administration, teaching, and public service. Specific content subfields that PE&TC will focus on include curriculum development, academic planning, instruction, finance, development, and human resources.

Clearinghouse staff can be reached at:

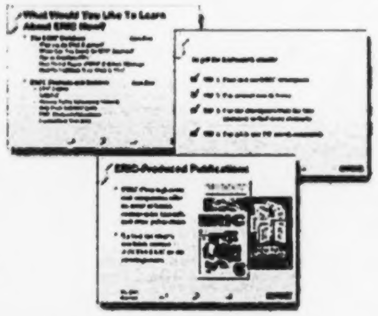
Adjunct ERIC Clearinghouse for Postsecondary Education
and the Internet
Curry School of Education
University of Virginia
405 Emmet Street, South
Charlottesville, VA 22903–2495

Phone: 804–243–8746
Fax: 804–924–3866
E-mail: jmilam@virginia.edu
Web: http://highered.org/highered.org

ERIC Information Online Update

ERIC Slide Show: A Virtual Tour of the Educational Resources Information Center

Looking for a fast, free, and easy way to learn about ERIC? Want to tell other people about ERIC? Check out the ERIC Slide Show, a presentation you can view on the Web or download in Microsoft PowerPoint.



The slide show, like ERIC, is for teachers, parents, students, administrators, librarians—anyone interested in education. In just a few minutes you can learn how to use the ERIC database and discover ERIC's other products and services, including:

- ◇ Tips for parents and families
- ◇ Lesson plans for teachers
- ◇ AskERIC—an e-mail service that answers your education questions.

(continued on page 5)

(*ERIC Slide Show* continued from page 4)

If you have opportunities to teach others about ERIC, you can use the ERIC Slide Show and the script that accompanies it for a presentation or workshop. Free copies of *All About ERIC* and *A Pocket Guide to ERIC* are perfect handouts to accompany the slide show. Just contact ACCESS ERIC at 1–800–LET ERIC (538–3742) if you'd like multiple copies.

An announcement flyer is included as an attachment to this issue of *Interchange*. We encourage you to post it in your library or office to spread the word. In addition, you can check out the ERIC Slide Show today at <http://www.accesseric.org/resources/eric_slides.html>.

ED'S Oasis Joins GEM Consortium, Contributes Lesson Plans

The Gateway to Educational Materials (GEM) Project is pleased to announce that ED's Oasis—a Web site designed to help teachers use the Internet as a tool for teaching and learning—recently joined the GEM Consortium and that ED's Oasis MasterSearch lessons are now part of the GEM collection.

ED's Oasis holds ongoing competitions for exemplary lessons that engage students in the use of the Internet to research information, publish original work, or communicate or collaborate with other students or mentors. Winning entries, formerly published only on ED's Oasis site, now appear also in GEM's online collection of free lesson plans, curricula, and other Web-based education resources.

The GEM catalog contains records for nearly 7,000 free, full-text education resources on a wide variety of subjects, with hundreds of new resources added each month. GEM is sponsored by the U.S. Department of Education's National Library of Education and is a special project of the ERIC Clearinghouse on Information & Technology.

To find ED's Oasis MasterSearch lessons, search for "edsoasis" on the GEM Web site at <http://www.thegateway.org> or visit ED's Oasis online at <http://www.edsoasis.org>. For more information on the GEM project, send e-mail to: geminfo@geminfo.org.

EDRS Links With Major Information Providers

The ERIC Document Reproduction Service (EDRS) has teamed up with SilverPlatter and Ovid to make ERIC electronic documents accessible using links from these vendors' versions of the ERIC database. SilverPlatter and Ovid searchers can link from a document citation directly to the EDRS Web site to obtain the electronic document image.

Users of these prominent information providers who also subscribe to the EDRS electronic subscription service, E*Subscribe, experience seamless access to the ERIC electronic document repository for downloading documents in portable document format (PDF). The ERIC electronic document repository contains copyright-cleared documents from 1996 forward and will soon contain copyright-cleared documents from 1995 as well. SilverPlatter and Ovid users who are not EDRS E*Subscribe customers are linked to the EDRS Web-based ordering service to purchase documents on a per-transaction basis.

EDRS is exploring opportunities to link with other information providers as well to expand value-added services for ERIC users. For more information on ERIC full-text document delivery, contact EDRS Customer Service at 1–800–443–ERIC (3742).

ERIC/EA Updates Online Trends and Issues

If you're looking for the latest information on trends, issues, and innovations in educational management, drop by the ERIC Clearinghouse on Educational Management (ERIC/EA) Web site. ERIC/EA recently updated the following *Trends and Issues* topics:

- Educational Governance
- Instructional Personnel
- Relationships with the Community
- School Choice
- School Finance
- School Law
- School Reform
- Social and Economic Context

(continued on page 6)

(ERIC/EA continued from page 5)

Trends and Issues currently contains information on 15 topics. Each topic links to a summary of the latest related information, a list of references, and a hyperlinked list of resources for further exploration.

Read the updated *Trends and Issues* today on the ERIC/EA Web site at <http://eric.uoregon.edu/issues/index.html>.

ERIC/CASS Launches International Career Development Library

The ERIC Clearinghouse on Counseling and Student Services (ERIC/CASS), in collaboration with the National Occupational Information Coordinating Committee Network, has launched the International Career Development Library, an online collection of full-text resources for counselors, educators, workforce development personnel, and others offering career development services.

The library includes the following features:

- A full-text database of career development materials
- A customized search engine
- An interactive forum for discussion of career-related issues
- Postings of original papers written by experts in the field
- A comprehensive list of links to career-related Web sites
- Information and updates on related training registries

Visit the International Career Development Library today at <http://icdl.uncg.edu>. Visit the ERIC/CASS Web site at <http://www.uncg.edu/edu/ericcass>.

ERIC/CLL Adds Resource Guide for Foreign Language Teachers

The ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL) recently added the link "Internet Resources for Foreign Language Teachers" to the "Resource Guides Online" section of its Web site. Designed to complement the site's FAQs, resource guides cover a variety of topics and include related information on free ERIC/CLL publications, publications from other sources, Web sites, organizations of interest, and conferences. The guides also offer useful searches of the ERIC database with information on ordering ERIC documents.

You can browse the new resource guides on the ERIC/CLL Web site at <http://www.cal.org/ericcll/faqs/rgos/flint.html>.

ERIC/AE Adds Full-Text Internet Library

The ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) recently announced the opening of its Full-Text Internet Library. Visitors will find links to more than 250 of the best online books, reports, journal and newsletter articles, and papers that address educational measurement, evaluation, and learning theory. The collection currently includes titles from 9 online journals and 29 organizations.

The ERIC/AE staff have provided the new library with a well-structured framework that makes browsing and searching easy. You can visit the new Full-Text Internet Library today at <http://ericae.net/ftlib.htm>. For more information, call the clearinghouse at 1–800–464–ERIC (3742).

NEW ERIC PUBLICATIONS

The ERIC Clearinghouses and support components regularly develop new products and publications that guide users through the ERIC system or treat specific education issues. *Interchange* is pleased to announce the following items:

Free From ACCESS ERIC

- *All About ERIC* (Fall 1999 version, Booklet)
- *The ERIC Review*, Volume 6, Issue 1, "K–12 Foreign Language Education" (Journal)
- *The ERIC Review*, Volume 6, Issue 2, "K–8 Science and Mathematics Education: The Formula for Success" (Journal)
- *Getting Online: A Friendly Guide for Teachers, Students, and Parents* (Brochure)
- *A Pocket Guide to ERIC* (Fall 1999 version, Brochure)
- *Which Is the Right College Path for Me?* (Brochure)
- *Why, How, and When Should My Child Learn a Second Language*? (Brochure)

You can view and download these publications from the ERIC systemwide Web site at <http://www.accesseric.org/resources/resources.html>. To order free paper copies, call 1–800–LET– ERIC (538–3742) or send e-mail to: accesseric@accesseric.org.

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE)

- **Books**
  - *Distance Education and Web-Based Training*, 1999
    Bettina L. Brown
    IN 379, $9.75 (paperback)
    Web: http://ericacve.org/mp_brown_02.asp

    Gives an overview of how the World Wide Web is being used for a variety of training purposes. Describes practical strategies for conducting Web-based training and provides lists of resources for distance learning.
  - *Toward the 21st Century: Retrospect, Prospect for American Vocationalism*, 1999
    Theodore Lewis
    IN 373, $7 (paperback)

    Reviews the economic, social, technological, and educational changes that have influenced vocational education in the late 20th century. Considers the implications of these changes for secondary and postsecondary institutions.

For more information or to order these publications, call 1–800–848–4815, Extension 2–8331; e-mail: jarvis.2@osu.edu; or visit the ERIC/CE Web site at <http://www.cete.org/publications/index.html>.

From the ERIC Clearinghouse on Educational Management (ERIC/EA)

- Digest
  - Implementing Whole-School Reform

This Digest can be viewed and downloaded at <http://eric.uoregon.edu/publications/digests/digest128.html>. To order free paper copies, call the clearinghouse at 1–800–438–8841.

From the ERIC Clearinghouse on Languages and Linguistics (ERIC/FL)

- **Newsletter**
  - *ERIC/CLL News Bulletin*, Spring/Summer 1999

    Includes articles on English-as-a-Second-Language Assessment and an important national initiative on the teaching of heritage languages in America.
- **Digest**
  - *Two or More Languages in Early Childhood: Some General Points and Practical Recommendations*

You can view and download these publications at <http://www. cal.org/ericcll/digest/earlychild.html>. Free copies are available by contacting ERIC/FL at 1–800–276–9834. Visit the ERIC/FL Web site to view or download the full text at <http://www.Cal.org/ericcll>.

From the ERIC Clearinghouse on Information & Technology (ERIC/IT)

- **Digest**
  - *Using the Web To Access Online Education Periodicals*

You can view and download this Digest at <http://ericir.syr.edu/ithome/digests/EDO-IR-1999-08.html>. For more information, call the clearinghouse at 1–800–464–9107 or e-mail: ericir.syr.edu.

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Editor: Belinda J. Taheri

ERIC Directory

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U.S. Department of Education
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Web: http://www.ed.gov

Clearinghouses

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Ohio State University
Toll Free: (800) 848–4815, ext. 2–8625
Phone: (614) 292–7069
TTY/TDD: (614) 688–8734
Web: http://ericacve.org

Assessment and Evaluation
University of Maryland, College Park
Toll Free: (800) GO4–ERIC (464–3742)
Phone: (301) 405–7449
Web: http://ericae.net

Community Colleges
University of California at Los Angeles
Toll Free: (800) 832–8256
Phone: (310) 825–3931
Web: http://www.gseis.ucla.edu/ERIC/eric.html

Counseling and Student Services
University of North Carolina at Greensboro
Toll Free: (800) 414–9769
Phone: (336) 334–4114
Web: http://www.uncg.edu/edu/ericcass

Disabilities and Gifted Education
Council for Exceptional Children
Toll Free: (800) 328–0272
Phone: (703) 264–9475
TTY/TDD: (800) 328–0272
Web: http://ericec.org

Educational Management
University of Oregon
Toll Free: (800) 438–8841
Phone: (541) 346–5043
Web: http://eric.uoregon.edu

Elementary and Early Childhood Education
University of Illinois at Urbana—Champaign
Toll Free: (800) 583–4135
Phone: (217) 333–1386
TTY/TDD: (800) 583–4135
Web: http://ericeece.org
National Parent Information Network Web: http://npin.org

Higher Education
George Washington University
Toll Free: (800) 773–ERIC (3742)
Phone: (202) 296–2597
Web: http://www.eriche.org

Information & Technology
Syracuse University
Toll Free: (800) 464–9107
Phone: (315) 443–3640
Web: http://ericir.syr.edu/ithome
AskERIC Web: http://www.askeric.org

Languages and Linguistics
Center for Applied Linguistics
Toll Free: (800) 276–9834
Phone: (202) 362–0700
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University
Toll Free: (800) 759–4723
Phone: (812) 855–5847
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
AEL, Inc.
Toll Free: (800) 624–9120
Phone: (304) 347–0400
TTY/TDD: (304) 347–0448
Web: http://www.ael.org/eric

Science, Mathematics, and Environmental Education
Ohio State University
Toll Free: (800) 276–0462
Phone: (614) 292–6717
Web: http://www.ericse.org

Social Studies/Social Science Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~ssdc/eric_chess.htm

Teaching and Teacher Education
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Toll Free: (800) 601–4868
Phone: (212) 678–3433
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
Toll Free: (800) 616–2242
TTY/TDD: (800) 516–2242
Web: http://nccic.org

Clinical Schools
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.aacte.org/menu2.html

Consumer Education
National Institute for Consumer Education
Phone: (734) 487–2292
Web: http://www.nice.emich.edu

Educational Opportunity
National TRIO Clearinghouse
Council for Opportunity in Education
Phone: (202) 347–2218
Web: http://www.trioprograms.org

Entrepreneurship Education
Center for Entrepreneurial Leadership
Toll Free: (888) 4–CELCEE (423–5233)
Phone: (310) 206–9549
Web: http://www.celcee.edu

ESL Literacy Education
Center for Applied Linguistics
Phone: (202) 362–0700, ext. 200
Web: http://www.cal.org/ncle

International Civic Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838

Law-Related Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838

Postsecondary Education and the Internet
University of Virginia
Phone: (804) 924–3880
Web: http://highered.org

School Counseling Services
University of North Texas
Phone: (940) 565–2910
Web: http://www.coe.unt.edu/cdhe/eric.htm

Service Learning
University of Minnesota
Toll Free: (800) 808–SERVe (7378)
Phone: (612) 625–6276
Web: http://umn.edu/~serve

Test Collection
Educational Testing Service
Phone: (609) 734–5689
Web: http://ericae.net/testcol.htm

U.S.–Japan Studies
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~japan

Affiliate Clearinghouse

National Clearinghouse for Educational Facilities
National Institute of Building Sciences
Toll Free: (888) 552–0624
Phone: (202) 289–7800
Web: http://www.edfacilities.org

Support Components

ACCESS ERIC
Toll Free: (800) LET–ERIC (538–3742)
Phone: (301) 519–5157
Web: http://www.accesseric.org

ERIC Document Reproduction Service (EDRS)
DynEDRS, Inc.
Toll Free: (800) 443–ERIC (3742)
Phone: (703) 440–1400
Web: http://edrs.com

ERIC Processing and Reference Facility
Computer Sciences Corporation
Toll Free: (800) 799–ERIC (3742)
Phone: (301) 497–4080
Web: http://ericfac.piccard.csc.com

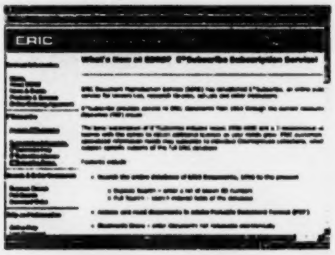
ERIC® USERS' INTERCHANGE

Spring/Summer 2000

SPECIAL INTEREST NEWS/FEATURES

Instant Access to Online ERIC Document Delivery

Instant electronic access to full-text copies of ERIC documents is now available to thousands of ERIC users. More than 250 university, public, and other libraries and school districts are taking advantage of the ERIC Document Reproduction Service's E*Subscribe electronic document subscription service. The service gives students, faculty, and patrons direct access to electronic copies of more than 71,000 publications (more than 85 percent of releasable ERIC documents produced since 1993). Patrons at subscribing institutions can search the ERIC database and download ERIC documents in PDF image format.



As of July 2000, access to ERIC's E*Subscribe's ERIC PDF images was available to more than 3 million ERIC users in subscribing institutions in 43 states and 12 countries worldwide. The majority of subscribers are college and university libraries, which currently comprise 86 percent of the E*Subscribe customer base. Academic libraries provide access for more than 1.8 million full-time students, as well as numerous uncounted users, such as part-time students, faculty, and staff.

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- 2nd Annual Digital Reference Conference Registration

Explore the Education World the Easy Way!

The Education Resource Organizations Directory (EROD) contains entries for more than 2,700 organizations that provide information on a broad range of education-related topics. You can perform simple or advanced searches. Searching EROD is free and fast and requires no account or password. Visit EROD today at <http://www.ed.gov/Programs/EROD>.

The *ERIC Users' Interchange* was prepared by ACCESS ERIC, a project of Aspen Systems Corporation under contract #RK95188001 for the National Library of Education, Office of Educational Research and Improvement, U.S. Department of Education. Points of view or opinions do not necessarily represent official Department of Education positions or policies. All questions, correspondence, and contributions should be directed to the *Interchange* Editor, ACCESS ERIC, 2277 Research Boulevard, Rockville, MD 20850; toll free: 1-800-LET-ERIC (538-3742); e-mail: accesseric@accesseric.org.

(*E*Subscribe* continued from page 1)

Librarians point to the convenience of off-campus access as a primary benefit of E*Subscribe. Another major benefit is the nearly instantaneous speed of electronic document delivery for T1 and high-speed modem users.

Other subscribers include K–12 school districts (which provide E*Subscribe access to more than 250,000 students, practitioners, and administrators in 15 states); public libraries (offering E*Subscribe services to more than 1 million patrons); and a small number of special and corporate libraries.

EDRS is working with many of the ERIC database providers to enable you to link seamlessly to full-text documents directly from their Web sites. The following ERIC database providers offer full-text ERIC document links at this time:

- AskERIC—sponsored by the ERIC Clearinghouse on Information & Technology <http://www.askeric.org/Eric/>
- EBSCO Host <www.ebsco.com>
- EDRS—via the EDRS site for on-demand document delivery or the ERIC E*Subscribe site for subscribers <http://www.edrs.com>
- Ovid Online <www.ovid.com>
- Search Wizard—sponsored by the ERIC Clearinghouse on Assessment and Evaluation <http://ericae.net>
- SilverPlatter <www.silverplatter.com>

ERIC database vendors expected to link to EDRS full-text in the future include Cambridge Scientific Abstracts and OCLC, among others.

If you search ERIC via a commercial vendor, you must subscribe to both the vendor's service and the ERIC E*Subscribe service to receive unlimited document downloading. If you access ERIC via a commercial vendor but don't have an E*Subscribe account, you can link to the ERIC document abstract and purchase the document via credit card or EDRS Deposit Account.

For more information, call EDRS at 1–800–443–3742 or visit its Web site at http://www.edrs.com. ❧

VRD's 2nd Annual Digital Reference Conference

The Virtual Reference Desk (VRD), a project dedicated to the advancement of digital reference and the successful creation and operation of human-mediated, Internet-based information systems, is hosting "The Facets of Digital Reference," a conference highlighting digital reference services in all contexts, including libraries and information centers, education, Intranets, the commercial sector, government, and more. The conference will be held October 16 and 17, 2000, in Seattle, Washington.

Digital reference, or "AskA," services are Internet-based question-and-answer services that connect users with subject experts. As opposed to static Web pages, digital reference services not only use the Internet to connect people who have questions with people who can answer them, but also support the development of the requesters' Internet skills. Such services are uniquely placed to collect information, add value to it, and distribute it to specialized audiences.

Building on the success of the VRD 1999 Digital Reference Conference, which had more than 250 attendees from across the globe, this conference will explore the nature of Internet-based, human-mediated information services, as well as examine issues in providing digital reference and expert information services. Conference topics include:

- Digital reference service management
- Technology for digital reference
- General issues in digital reference
- Case studies in digital reference services
- Resource development for digital reference

Attendees will include:

- Librarians and other information professionals
- Digital reference and AskA services representatives
- Government agency representatives
- Commercial sector representatives

For more information or to register, see the attachment to this issue of the *Interchange*. ❧

"Reminiscences From the Field: The Continuing Story of ERIC"

The ERIC Document Reproduction Service (EDRS) recently published a book that tells the story of ERIC from 1980 to the start of the new millennium—*Reminiscences From the Field: The Continuing Story of ERIC.* It relates the major achievements, driving forces, primary trends, and greatest challenges in ERIC throughout its most recent 20 years of service to education. (Delmer J. Trester captured the early history of ERIC in his 1979 report *ERIC—The First 15 Years. A History of the Educational Resources Information Center*, available from EDRS as ED195289.)

Reminiscences From the Field is a subjective examination of ERIC in a world of rapid technological advances and changing political priorities. Primarily an oral history, the book describes ERIC's development through the words of the people responsible for it—the key players in ERIC who have guided its direction since 1980. The ERIC story that emerges from this volume is one of a program that has persevered and flourished—despite budget constraints and political challenges—to become one of the government's most successful and enduring information programs.

Reminiscences From the Field: The Continuing Story of ERIC, by Laura J. Colker, Ed.D. Price: $23.50 (including shipping) in the U.S. and Canada. To order, call EDRS at 1–800–443–3742, or send an e-mail message to service@edrs.com. ❧

EC Develops New Database of Gifted Education Programs

The ERIC Clearinghouse on Disabilities and Gifted Education (ERIC/EC) has developed a searchable, online database of successful gifted education programs. The database was unveiled on the ERIC/EC Web site in January 2000.

Designed to be an invaluable resource for both general and special educators, the database contains descriptions of programs currently in operation, including contact information for those who would like to benefit from the knowledge of experienced program users.

To learn more about the database project and criteria for program selection, or to nominate a program for inclusion in the database, visit the ERIC/EC Web site at <http://ericec.org/gifted/gt-menu.htm>.

If you'd like to nominate a program but can't complete a Web-based form, call 1–800–328–0272 or send an e-mail message to the clearinghouse at ericec@cec.sped.org. ❧

Compilation of ERIC Digests on National Education Priorities Now Available

Striving for Excellence, Volume IV: The National Education Priorities of the President and the U.S. Department of Education is now available from ACCESS ERIC. This publication includes 80 ERIC Digests presenting information about the latest issues, programs, and research associated with reading and mathematics achievement, student preparation for college, standards for achievement and accountability, teacher quality, technology in the classroom, and safe and drug-free schools.

You can read *Striving for Excellence* on the Internet at <http://www.accesseric.org/resources/strive/strivtoc.html>. For a paper copy, send $10 ($12 for Canada; $14 for other international) to ACCESS ERIC, 2277 Research Boulevard MS 6L, Rockville, MD 20850, or call ACCESS ERIC at 1–800–LET–ERIC (538–3742). ❧

ERIC INFORMATION ONLINE UPDATE

AskERIC Service Answers 200,000th E-Question

AskERIC, ERIC's personalized, Internet-based, question-and-answer service that provides education information to teachers, librarians, counselors, administrators, parents, and others throughout the United States and the world, recently answered its 200,000th education question!

AskERIC began in 1992 as a project of the ERIC Clearinghouse on Information & Technology at Syracuse University. Today, it encompasses the resources of the entire ERIC system, which now has more than 50 AskERIC Q&A information specialists who answer nearly 850 questions each week, 3,600 questions each month, and more than 40,000 questions each year. Current AskERIC Q&A hot topics include distance education, parenting, reading, and school safety.

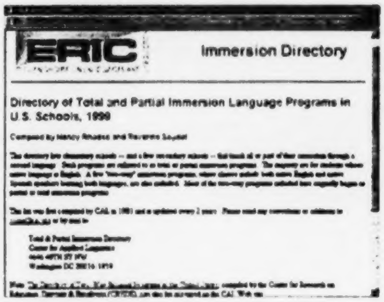
If you still haven't tried this service and you have an education question, now is the time to AskERIC! When you submit your education question to AskERIC, you'll receive a personal e-mail response from a network information specialist within two business days, along with a list of citations that deal with your topic and referrals to other Internet resources for additional information. It's that easy! You can visit the AskERIC Internet site at <http://www.askeric.org> or e-mail your education question to askeric@askeric.org. ❧

CLL To Produce Directories of Resources for Language and Language Immersion Programs

The ERIC Clearinghouse on Languages and Linguistics (ERIC/CLL) is collaborating with the National Clearinghouse for Bilingual Education (NCBE) to produce the *Web-Based Directory of Resources for Foreign Language Programs*. The directory, to be published in July 2000, will provide links to Web sites, programs, and online publications.

For more information about the forthcoming directory, visit the ERIC/CLL Web site at <http://www.cal.org/ericcll/directory.html> or call 1–800–276–9834.

ERIC/CLL has also added to its Web site the *Directory of Total and Partial Immersion Language Programs in U.S. Schools*. This searchable online directory, located at <http://www.cal.org/ericcll/immersion>, lists elementary and secondary schools that teach all or part of the curriculum in a second language. ❧



Immersion Directory

Directory of Total and Partial Immersion Language Programs in U.S. Schools, 1999

AE Launches New Online Journal, Adds In-Process Abstracts

The ERIC Clearinghouse on Assessment and Evaluation (ERIC/AE) recently launched the peer-reviewed, online journal *Practical Assessment, Research & Evaluation (PARE)*. Jointly published by ERIC/AE and the Department of Measurement, Statistics, and Evaluation at the University of Maryland at College Park, *PARE* endeavors to provide education professionals with access to refereed articles that can have a positive impact on assessment, research, evaluation, and teaching, especially at the local education agency level.

For more information about *PARE*, including guidelines for submitting manuscripts and procedures for subscribing, visit the ERIC/AE Web site at <http://ericae.net/pare>.

ERIC/AE also recently added a database of its in-progress ERIC abstracts to its Web site. Updated weekly, the database contains abstracts of educationally relevant articles on assessment, evaluation, research methods, and learning theory collected from more than 30 professional journals. You can search the new database on the ERIC/AE Web site at <http://ericae.net/sinprog.htm>. ❧

PS Publishes Peer-Reviewed E-Journal

The ERIC Clearinghouse on Elementary and Early Childhood Education (ERIC/EECE) has published a new edition of its Internet-only, peer-reviewed journal, *Early Childhood Research & Practice (ECRP),* edited by Lilian G. Katz and Dianne Rothenberg.

ECRP began publication in Spring 1999 as the first scholarly, peer-reviewed online journal in early childhood education. It emphasizes articles on practice-related research and development; topics related to practice, parent participation, and policy; and emerging practices and issues. *ECRP* articles are available in full text at no subscription charge. The *ECRP* home page can be found at <http://ecrp.uiuc.edu/>. ❧

NCLE Adds Annotated List of ESL Publishers, NCLE Publications

The National Clearinghouse for ESL Literacy Education (NCLE) recently added two new features to its Web site at <http://www.cal.org/ncle/whatnew.htm>. An "Annotated List of ESL Publishers" provides a starting point for finding materials related to adult English as a second language. Each entry includes the publisher's name, contact information, and popular titles. An "Annotated List of NCLE Publications" groups some of the most popular NCLE ERIC Digests by topic and provides brief descriptions of each. The list is intended to help those seeking professional development materials for themselves or their staff. ❧

CASS Launches Cybercounseling Web Site

The ERIC Clearinghouse on Counseling and Student Services (ERIC/CASS), in conjunction with the American Counseling Association, recently unveiled the Cybercounseling Web site at <http://cybercounsel.uncg.edu>. Designed as a companion to the book *Cybercounseling and Cyberlearning: Strategies and Resources for the Millennium*, the Cybercounseling Web site provides up-to-date literature related to current practices in cybercounseling and cybereducation. It offers information not found in the book and links to other resources.

In addition, the Cybercounseling Web site welcomes the submission of materials of interest to educators, researchers, career counselors, and others who work in the field of counseling. ❧

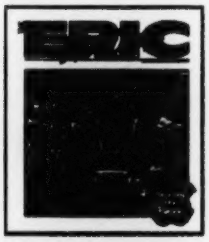
NEW ERIC PUBLICATIONS

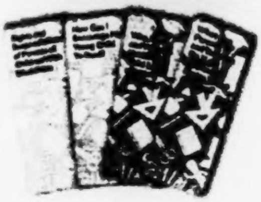
The ERIC Clearinghouses and support components regularly develop new and updated products and publications that guide users through the ERIC system or address specific education issues. *Interchange* is pleased to announce the following items:

Free From ACCESS ERIC

- *All About ERIC* (Fall 1999 edition, Booklet)
- *The ERIC Review*, Volume 7, Issue 2, "A Developmental Path to Reading" (Journal)
- *The ERIC Review*, Volume 7, Issue 1, "School Safety: A Collaborative Effort" (Journal)
- *What Are Charter Schools?* (Brochure)
- *How Can We Prevent Violence in Our Schools?* (Brochure)
- *What Should Parents Know About Schools as Community Learning Centers?* (Brochure)

All About
ERIC





You can view and download these publications from the ERIC systemwide Web site at <http://www.accesseric.org/resources/resources.html>. To order free single or bulk paper copies, call 1–800–LET–ERIC (538–3742) or send an e-mail request to accesseric@accesseric.org. ❧

From the ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC/ACVE)

- **Papers**
  - *Defining the Future or Reliving the Past? Unions, Employers, and the Challenge of Workplace Learning*, 2000
    Howard Harris
    Order Number: IN 380, $8.50

    This paper examines the current state of workplace learning and explores the assumptions that new skills are being required, that many workers lack these skills, and that employers must control the scope and content of work-related education.

  - *Using National and State Standards for Vocational-Technical Education Curriculum Development*, 2000
    Charles L. Losh
    Order Number: IN 383, $8.50

    This paper provides guidance and models for using workplace-derived measures of competent performance in the preparation of students for the world of work. It offers guidelines for determining the usefulness of standard sets and discusses criteria for evaluating their validity, the credibility of their developers, and civil rights concerns.

To order these publications, contact: User Services, ERIC/ACVE, 1900 Kenny Road, Columbus, OH 43210–1090; toll free: 1–800–848–4815; e-mail: wagner.6@osu.edu. ❧

From the ERIC Clearinghouse on Disabilities and Gifted Education (ERIC/EC)

- **Journal**
  - *Research Connections*, "New Ideas for Planning Transitions to the Adult World," Spring 2000

    The ERIC/OSEP (Office of Special Education Programs) special project at ERIC/EC disseminates this biannual, eight-page topical review of proven school-based research in special education.

- **Digests**
  - *Early Childhood Instruction in the Natural Environment*, 1999
  - *The Link Between Functional Behavioral Assessments (FBAs) and Behavioral Intervention Plans (BIPs)*, 2000

You can view and download *Research Connections* at <http://ericec.org/osep-sp.htm> and the Digests at <http://ericec.org/digests/prodfly.htm>. For free paper copies, contact ERIC/EC at 1–800–328–0272 (V/TTY). ❧

From the ERIC Clearinghouse on Elementary and Early Childhood Education (ERIC/PS)

- **Digests Translated Into Korean**
  - *Another Look at What Young Children Should Be Learning*, 1999
  - *Helping Middle School Students Make the Transition Into High School*, 1999
  - *Easing the Teasing: How Can Parents Help Their Children?* 1999

You can view and download these digests at <http://ericeece.org/pubs/digests/korean.html>. For more information, call ERIC/PS at 1–800–583–4135 or send an e-mail message to ericeece@uiuc.edu. ❧

From the ERIC Clearinghouse on Educational Management (ERIC/EA)

- **Report**

  - *Policy Report*, Spring 2000, Number 1
    $7 (includes shipping and handling)

POLICY REPORT

Class Size

This annual publication focuses on key policy issues in K–12 educational management. Each report includes research findings, descriptions of exemplary practices, policy options, financial data, and consequences of policy implementation. The first issue explores the topic "class size" by focusing on the question "How can school districts capitalize on the benefits of smaller classes?"

To view this report on the Web, go to <http://eric.uoregon.edu/publications/pub_policy_new.html>. For more information or to order, call ERIC/EA at 1–800–438–8841. ❧

From the ERIC Clearinghouse on Higher Education (ERIC/HE)

- **ASHE-ERIC Higher Education Reports**

  - *Due Process and Higher Education: A Systematic Approach to Fair Decision Making*, 1999
    Ed Stevens
    Volume 27, No. 2
    ISBN: 1-878380-90-7, 122 pp., $24 (paperback)

This report reviews the definition of 'due process' and describes its evolution as a legal principle. It then explains how academic presidents, deans, department chairs, and professors should handle due process in their day-to-day work. Case studies that offer a more comprehensive explanation of due process and its implications for campus life are included.

To order ASHE-ERIC Higher Education Reports, call Jossey-Bass, Inc. at 1–800–956–7739 or visit their Web site at <http://www.josseybass.com/topics/7000/7210/index.html>. For information about other publications on topics related to higher education, visit the ERIC/HE Web site at <http://www.eriche.org>. ❧

The National Library of Education's ERIC Program has decided to discontinue *ERIC Users' Interchange*. To reach subscribers in a more timely fashion, ERIC will now disseminate *Interchange* content bimonthly through the ERICNews listserv. If you have a standing subscription to *Interchange*, please note that you will no longer receive this biannual newsletter.

The ERICNews listserv is ERIC's read-only, electronic mailing list. Subscribers receive bimonthly e-mail updates on the latest ERIC systemwide initiatives, products, and services. *Interchange* readers are encouraged to subscribe to the ERICNews listserv. To subscribe, send the command subscribe ERICNews "firstname" "lastname" in the body of the message (replace "firstname" "lastname" with your actual name, no quotes) to: listproc@aspensys.com.

If you have any questions or comments about *Interchange*, please contact its Editor, Belinda Taheri, at btaheri@aspensys.com or 1–800–538–3742.

For more information about ERICNews, contact Kevin Mitchell at kmitchell@aspensys.com, or visit the ERIC systemwide Web site at <http://www.accesseric.org/resources/ericnews.html>.

Special thanks to Ted Brandhorst of the ERIC Processing and Reference Facility for his editorial assistance.

ERIC Directory

Educational Resources Information Center (ERIC)
National Library of Education
Office of Educational Research and Improvement (OERI)
U.S. Department of Education
Toll Free: (800) 424–1616
TTY/TDD: (800) 437–0833
Web: http://www.ed.gov

Clearinghouses

Adult, Career, and Vocational Education
Ohio State University
Toll Free: (800) 848–4815, ext. 2–8625
Phone: (614) 292–7069
TTY/TDD: (614) 688–8734
Web: http://ericacve.org

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Web: http://www.gseis.ucla.edu/ERIC/eric.html

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Web: http://ericec.org

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National Parent Information Network Web: http://npin.org

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Web: http://www.eriche.org

Information & Technology
Syracuse University
Toll Free: (800) 464–9107
Phone: (315) 443–3640
Web: http://ericir.syr.edu/ithome
AskERIC Web: http://www.askeric.org

Languages and Linguistics
Center for Applied Linguistics
Toll Free: (800) 276–9834
Phone: (202) 362–0700
Web: http://www.cal.org/ericcll

Reading, English, and Communication
Indiana University
Toll Free: (800) 759–4723
Phone: (812) 855–5847
Web: http://www.indiana.edu/~eric_rec

Rural Education and Small Schools
AEL, Inc.
Toll Free: (800) 624–9120
Phone: (304) 347–0400
TTY/TDD: (304) 347–0448
Web: http://www.ael.org/eric

Science, Mathematics, and Environmental Education
Ohio State University
Toll Free: (800) 276–0462
Phone: (614) 292–6717
Web: http://www.ericse.org

Social Studies/Social Science Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~ssdc/eric_chess.htm

Teaching and Teacher Education
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.ericsp.org

Urban Education
Teachers College, Columbia University
Toll Free: (800) 601–4868
Phone: (212) 678–3433
Web: http://eric-web.tc.columbia.edu

Adjunct Clearinghouses

Child Care
National Child Care Information Center
Toll Free: (800) 616–2242
TTY/TDD: (800) 516–2242
Web: http://nccic.org

Clinical Schools
American Association of Colleges for Teacher Education
Toll Free: (800) 822–9229
Phone: (202) 293–2450
Web: http://www.aacte.org/menu2.html

Educational Opportunity
National TRIO Clearinghouse
Council for Opportunity in Education
Phone: (202) 347–2218
Web: http://www.trioprograms.org/clearinghouse

Entrepreneurship Education
Center for Entrepreneurial Leadership
Toll Free: (888) 4–CELCEE (423–5233)
Phone: (310) 206–9549
Web: http://www.celcee.edu

ESL Literacy Education
National Clearinghouse for ESL Literacy Education
Center for Applied Linguistics
Phone: (202) 362–0700, ext. 200
Web: http://www.cal.org/ncle

International Civic Education
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838

Postsecondary Education and the Internet
University of Virginia
Phone: (804) 924–3880
Web: http://highered.org

Service Learning
University of Minnesota
Toll Free: (800) 808–SERVe (7378)
Phone: (612) 625–6276
Web: http://umn.edu/~serve

Test Collection
Educational Testing Service
Phone: (609) 734–5689
Web: http://ericae.net/testcol.htm

U.S.–Japan Studies
Indiana University
Toll Free: (800) 266–3815
Phone: (812) 855–3838
Web: http://www.indiana.edu/~japan

Affiliate Clearinghouse

National Clearinghouse for Educational Facilities
National Institute of Building Sciences
Toll Free: (888) 552–0624
Phone: (202) 289–7800
Web: http://www.edfacilities.org

Support Components

ACCESS ERIC
Toll Free: (800) LET–ERIC (538–3742)
Phone: (301) 519–5157
Web: http://www.accesseric.org

ERIC Document Reproduction Service (EDRS)
DynEDRS, Inc.
Toll Free: (800) 443–ERIC (3742)
Phone: (703) 440–1400
Web: http://www.edrs.com

ERIC Processing and Reference Facility
Computer Sciences Corporation
Toll Free: (800) 799–ERIC (3742)
Phone: (301) 552–4200
Web: http://ericfac.piccard.csc.com

Facets of Digital Reference

The Virtual Reference Desk
2nd Annual Digital Reference Conference
October 16-17, 2000 • Seattle, Washington USA

The Facets of Digital Reference will highlight electronic reference service in all contexts: libraries and information centers, education, intranets, the commercial sector, government, and more. Building on the success of the sold-out VRD 1999 Digital Reference Conference, this conference will explore the nature of Internet-based, human-mediated information service in all areas as well as examine issues in providing electronic reference and expert information service.

Conference topics include:

- Digital reference service management
- Technology for digital reference
- General issues in digital reference
- Case studies in digital reference service
- Resource development for digital reference

Who should attend?

- Government agency representatives
- Commercial sector representatives
- Digital reference and AskA services representatives
- Librarians and other information professionals

A series of digital reference training sessions are planned. Please contact us for details.

Accommodations:

Please make your hotel reservations right away. October is a very busy time of year in the Seattle area! A limited block of rooms has been reserved at the **Sheraton Seattle Hotel & Towers**, 1400 Sixth Avenue, adjacent to the Washington State Convention & Trade Center. Please indicate that you are reserving under the *VRD 2000 Block*. Room rates: $169 single/$189 double (additional people: $20). Call **1–800–325–3535**.

Sponsors:

The Virtual Reference Desk 2nd Annual Digital Reference Conference is sponsored by the U.S. Department of Education, the National Library of Education's ERIC Clearinghouse on Information & Technology, the American Library Association Reference and User Services Association (ALA RUSA), and the Library of Congress, and is brought to you by Syracuse University's School of Information Studies and the Information School of the University of Washington as part of the National Education Network (NEN) Forum Series.

Contact

Virtual Reference Desk
vrdconf@vrd.org
1–800–464–9107 / 315–443–3640

Registration Form

Please complete this form and return it to the Virtual Reference Desk by fax or mail:

Virtual Reference Desk
Information Institute of Syracuse
621 Skytop Road, Suite 160, Syracuse, NY 13244-5290
Fax: 315-443-5448

Registration Fees

Please Note: No onsite registration is available. The deadline to register is ***September 30, 2000****.*

Rate	*Details*	*Price*
Regular Rate	July 15, 2000 through September 30, 2000	$250
VRD Consortium Members	Must be a member at the time of payment	$200
Student Rate	Must have a copy of student ID and letter from department head attesting to your full-time status	$150
Groups of 10 or More	Group name and contact name must be included with payment: Contact name:____________________ Contact e-mail:____________________ Group Name:____________________	$200

TOTAL: $____

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For More Information Contact:

Marilyn Schick, vrdconf@vrd.org, 1-800-464-9107

5/31/00

Attention *Interchange* Subscribers:
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The National Library of Education's ERIC Program has decided to discontinue *ERIC Users' Interchange*. To reach subscribers in a more timely fashion, ERIC will now disseminate *Interchange* content bimonthly through the ERICNews listserv. If you have a standing subscription to *Interchange*, please note that you will no longer receive this biannual newsletter; however, you are welcome and encouraged to subscribe to the ERICNews listserv.

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